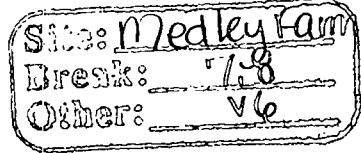


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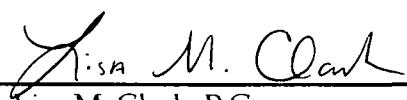
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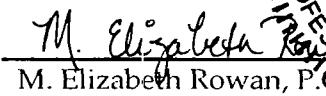
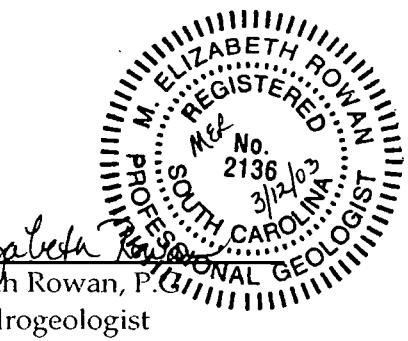
Gaffney, South Carolina

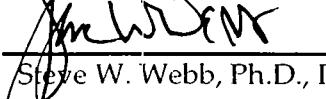
March 2003

Prepared For
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RMT, Inc. | Medley Farm NPL Site
2002 Remedial Action Annual Report

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Executive Summary

The 2002 annual report for the Medley Farm National Priorities List (NPL) Site (Site) provides a summary and evaluation of the soil vapor extraction (SVE) operations and groundwater recovery and treatment activities conducted by RMT, Inc. (RMT) during the period of January 1, 2002, through December 31, 2002. This report has been prepared in accordance with the approved *Performance Standards Verification Field Sampling and Analysis Plan* (RMT, 1993).

Recovery of volatile organic compounds (VOCs) from soil and groundwater at the Site were first initiated in March 1995. VOC recovery activities continue to the present day under the oversight of the United States Environmental Protection Agency (USEPA) Region IV and the South Carolina Department of Health and Environmental Control (SC DHEC).¹ The groundwater recovery and treatment system presently consists of a series of 11 jet-pump recovery wells, supplemented with three dual-phase (DP) recovery wells. The extracted groundwater is piped to a centrally located treatment plant, where VOCs are removed from the groundwater by a low-profile air stripper. Laboratory analysis of effluent water samples collected from the air stripper indicate that VOCs are being reduced to levels below the National Pollutant Discharge Elimination System (NPDES) permit limits prior to discharge to Jones Creek, thus meeting the objectives of the site remedial design.

Since start-up, the groundwater remediation system has recovered and treated more than 94 million gallons of VOC-affected groundwater. This has resulted in the removal of approximately 243 pounds of VOCs from the aquifer since December 1995. The VOC mass removal rate from the groundwater in 2002 was approximately 1.5 pounds of VOCs per million gallons of groundwater treated. This represents a 17 percent reduction from the VOC removal rate of 2001, which was 1.8 pounds of VOCs per million gallons of groundwater treated.

The soil remediation system consists of a series of nine SVE wells, the three DP recovery wells, eight vapor monitoring wells, and a central vacuum unit. This system recovers VOCs from affected vadose zone soils and releases them to the atmosphere. A total of 700 pounds of VOCs were removed from vadose zone soils in Areas 1 and 2 by the SVE system between March 1995 and June 2000. In 1999, RMT demonstrated that soil cleanup targets in Areas 1 and 2 had been achieved. SVE operations were subsequently terminated in these areas in June 2000.

As of December 2002, an estimated total of 1,534 pounds of VOCs have been removed from vadose zone soils in Area 3 by the SVE system since the system began operation. Thus, an estimated total of approximately 2,234 pounds of VOCs have been recovered from VOC-affected soils in Areas 1, 2, and 3 using the SVE treatment system since its start-up in March 1995. During 2002, VOC recovery from the SVE system has shown a dramatic decrease compared with previous years. Confirmational soil sampling in Area 3 is recommended to demonstrate that soil cleanup targets in this area have been achieved. If target cleanup levels have been reached, a petition for shut down of the SVE system in Area 3 will be submitted to USEPA and SC DHEC for review and approval.

A Site-wide groundwater sampling event was conducted in December 2002 to update the plume delineation and to evaluate the overall performance of the groundwater recovery system. The results of this sampling event continue to demonstrate that the observed VOC plume is contracting and that active capture and containment of the plume is ongoing.

VOC concentrations in the groundwater recovery wells continue to decline demonstrating a decreasing trend with time. The rate of change of this change has also been decreasing with time. Very little change was observed between 2001 and 2002 VOC concentrations, suggesting that the groundwater recovery system has reached asymptotic conditions. If asymptotic conditions continue to be observed during 2003, further groundwater recovery and soil treatment via the current system may be deemed technically impractical and alternate Site closure strategies should be considered.

Section 1

Introduction

Groundwater and soil remediation activities were initiated at the Site, by the Medley Farm Site Steering Committee, in March 1995. Treatment system start-up followed final inspection and approval of the constructed systems by USEPA Region IV and SC DHEC officials. Start-up of the Site treatment system signaled the culmination of more than 12 years of investigation, detailed design, and construction work. Treatment systems have now been effectively removing and treating VOCs from affected groundwater and soils at the Site since March 1995.

Monitoring, evaluation, and reporting requirements for these treatment systems are addressed in the *Medley Farm Site Performance Standards Verification Plan* (RMT, August 1993). In accordance with the performance standards verification plan (PSVP), an annual assessment report is required to provide a detailed summary and evaluation of groundwater extraction and treatment activities conducted during each calendar year. Details regarding operation, maintenance, and monitoring (OM&M) of the SVE system have also been included in the annual report. This report covers remediation of the Site during the period from January 2002 through December 2002.

1.1 Purpose and Scope

The purpose of this 2002 annual report is to:

- Describe the remedial activities conducted during 2002 to recover VOCs from vadose zone soils and groundwater at the Site.
- Demonstrate the effectiveness of the groundwater recovery system in capturing and reducing the VOC plume in groundwater.
- Demonstrate the effectiveness of the groundwater treatment system in meeting NPDES permit requirements.
- Demonstrate the effectiveness of SVE in treating vadose zone soils.
- Assess the performance of the existing remedial systems in achieving the remedial action goals as stated in the original design.
- Evaluate the appropriateness of the remedial action goals.

This 2002 annual report includes and discusses the following:

- Quarterly water table configuration maps and groundwater flow conditions
- Annual isoconcentration maps illustrating the current and historical configuration of VOCs in groundwater

- Time versus concentration graphs for VOCs in groundwater recovery and monitoring wells
- Time versus concentration graphs for VOC recovery from the SVE system
- Estimates of VOC mass removal from the vadose zone and the underlying aquifer
- Conclusions and recommendations developed from observations of system performance during 2002

1.2 2002 Remedial Activities

Remedial activities conducted during 2002 at the Site included operation of the A (wells A-1 through A-7) and B (wells B-1 through B-4) groundwater recovery systems, operation of the SVE system in Area 3, and operation of the dual phase (DP) recovery wells (DP-3-1, DP-3-2, and DP-2-1) in Areas 2 and 3.

Quarterly groundwater monitoring was conducted at specified monitoring wells during the first three quarters of 2002. The annual groundwater sampling event was conducted during the fourth quarter of 2002. Specifics of the Site monitoring program are described in Section 2 of this report.

1.3 Summary of Site Conditions

1.3.1 Hydrogeology

The geologic characterization of the Site was initially presented in the *1995 Annual Report*. This report has since been supplemented with information gathered during installation of the DP wells in 2000 and installation of PSVP borings in 1999 (both described in the *2000 Annual Report*). The Site geology is a controlling factor on the direction of VOC migration in the subsurface, with significant components, which include the following:

- A fault located southeast and downgradient from the recovery wells and which strikes N50E and dips 70 degrees to the southeast.
- The fault is generally parallel to layering in the metamorphosed volcanic and sedimentary rocks that comprise bedrock beneath the Site.

Groundwater at the Site occurs in the saprolite, in a zone of highly fractured and weathered bedrock (identified as the transition zone), and in the fractured bedrock found immediately below the transition zone. The saprolite, transition zone, and shallow bedrock are hydraulically interconnected; therefore, these three hydrostratigraphic units comprise what is considered a single aquifer beneath the Site.

1.3.2 Remediation Systems

Groundwater is extracted from the subsurface of the Site by a system of 11 jet-pump recovery wells and three DP (dual-phase water and vapor) recovery wells. VOCs are removed from the water by a low-profile air stripper and treated groundwater is discharged to Jones Creek through a NPDES-permitted outfall. Volatile compounds that are stripped from the groundwater are discharged directly to the atmosphere.

VOCs are being removed from affected vadose-zone soils using a series of SVE wells. A rotary-lobe vacuum pump is used to extract the VOC-affected soil gas, which is then discharged directly to the atmosphere in accordance with SC DHEC requirements. The SVE unit and the low-profile air stripper are the only pieces of treatment equipment that emit VOCs to the atmosphere at the Site. The mass of the VOCs emitted to the atmosphere from the stripper and SVE unit are considerably below the *de minimis* threshold of South Carolina Regulation R.61-62.1. This was confirmed by stack testing performed in 1995, shortly after the system went on-line. The Site is, therefore, exempt from State air permitting requirements.

SVE has been employed to remediate vadose zone soils in three areas (Area 1, Area 2, and Area 3) as designated by the Record of Decision (ROD). As indicated earlier, soil remediation has been completed in Areas 1 and 2. SVE treatment operations have continued in Area 3 during 2002. Initially, a system of eight SVE wells was installed for vapor recovery. This system was enhanced in June 1996 when all of the vapor monitoring wells (VM wells) were connected to the vacuum system to increase the collection of organic contaminants from the soil. In October 2000, two DP and an additional SVE well were installed in Area 3 to further enhance removal of VOCs from the subsurface soils in Area 3.

1.3.3 Target Constituents

The USEPA ROD for the Site has established remediation target levels for 15 Site-specific VOCs. The groundwater monitoring analytical program includes analysis for these 15 Site-specific VOCs. Since monitoring activities began in 1995, only four of these 15 VOCs (trichloroethene, tetrachloroethene, 1,1-dichloroethene, and 1,2-dichloroethane) have consistently been detected at concentrations above their respective remediation goals. These four VOCs provide the foundation and technical basis upon which the effectiveness of remedial activities have been measured.

Section 2

Remediation System Operation, Maintenance, and Monitoring

The groundwater recovery and treatment (GWRT) system and SVE system at the Site have been in operation for eight years. The GWRT system has recovered and treated approximately 94 million gallons of water (See Figure 2-1) and the SVE system has removed approximately 2,234 pounds of VOCs during that time. This section describes pertinent operation, maintenance, and repair issues that were encountered during 2002.

A summary of monthly GWRT system flow during 2002 is presented in Table 2-1. A chronological summary of operations and maintenance (O&M) activities for the A, B, and dual phase (DP) recovery systems is presented in Table 2-2. Figure 2-2 illustrates operation of the A and B systems during 2002.

The Site's NPDES permit renewal was submitted to SC DHEC in February 2002. In the transmittal letter, RMT successfully demonstrated that reduced effluent monitoring was justified. RMT also demonstrated that the effluent has no reasonable potential to cause or contribute to a violation of numeric or narrative stream standards. SC DHEC accepted RMT's comments and subsequently issued a renewed permit with greatly reduced monitoring requirements, including elimination of routine effluent toxicity testing. A copy of the new permit limits, which became effective January 1, 2003, is included in Appendix A.

2.1 Operation and Maintenance of Systems

2.1.1 Soil Vapor Extraction System

The SVE system currently consists of four VE wells, four VM wells, and three DP wells. During 2002, the SVE system operated on a 12-hour per day cycle. A chronological summary of pertinent SVE-related O&M activities is presented in Table 2-2.

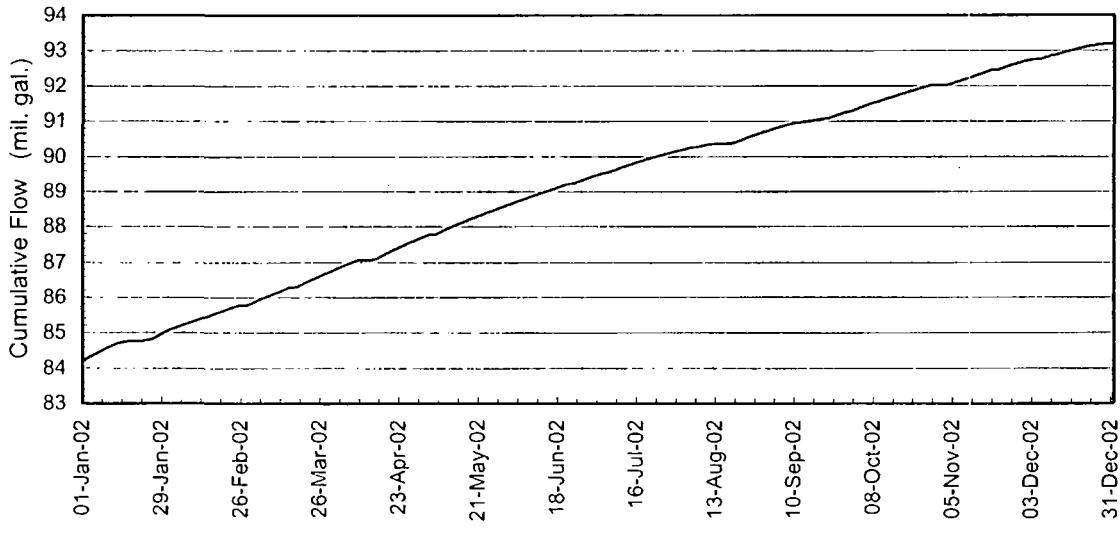


Figure 2-1
Cumulative Groundwater Recovery Volume

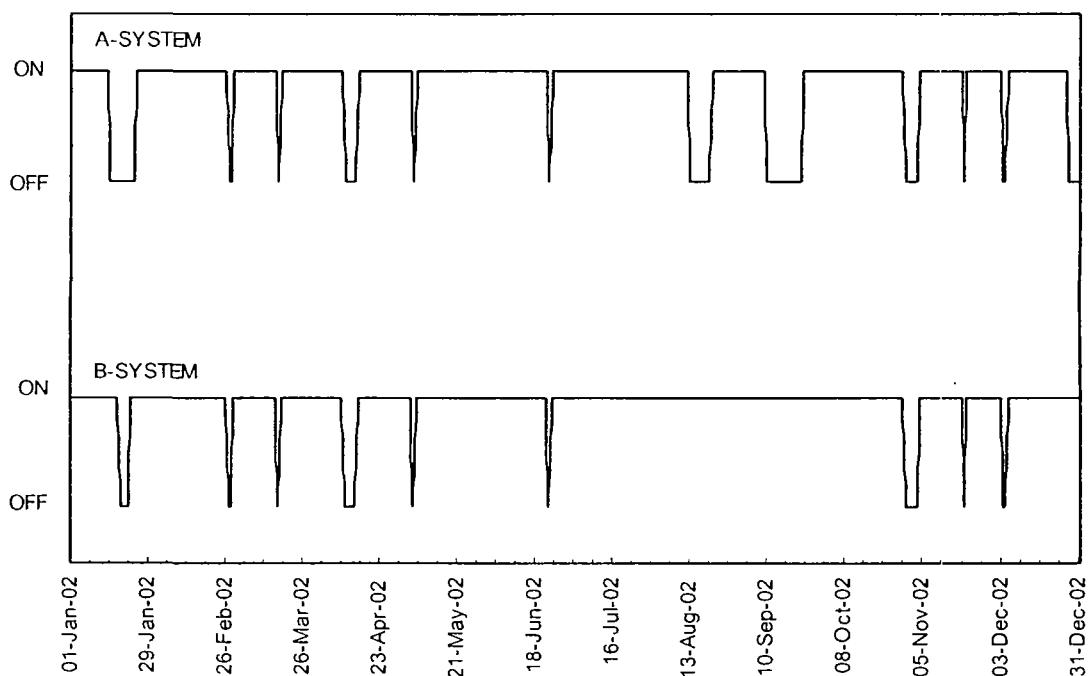


Figure 2-2
2002 Groundwater Recovery System Operations

Table 2-1
Summary of Monthly Groundwater Recovery
During 2002

MONTH	VOLUME (million gallons)
January	0.873
February	0.729
March	1.009
April	0.872
May	0.934
June	0.825
July	0.759
August	0.541
September	0.549
October	0.759
November	0.656
December	0.504
Total	9.010

Table 2-2
Summary of 2002 Operation and Maintenance Activities

INSPECTION DATE	OBSERVATIONS/REPAIRS
01/01/02	A, B, and DP3-1 operating normally
01/14/02	P-100 bearings failed and mechanical seal developed leak
01/18/02	Effluent totalizer malfunction; part on back-order
01/23/02	P-100 removed for rebuild
01/25/02	P-100 reinstalled
02/01/02	A, B, and DP3-1 operating normally
02/20/02	Totalizer repairs completed
02/26/02	GWRT shut down; probable power interruption
03/01/02	A, B, and DP3-1 operating normally
03/16/02	GWRT shut down; probable power interruption
04/01/02	A, B, and DP3-1 operating normally
04/09/02	GWRT shut down for recirculation tank clean-out
04/12/02	Tank clean-out complete; systems back on-line
04/22/02	GWRT shut down; probable power interruption
05/01/02	A, B, and DP3-1 operating normally
06/01/02	A, B, and DP3-1 operating normally
06/22/02	GWRT shut down; probable power interruption
07/01/02	A, B, and DP3-1 operating normally
07/04/02	GWRT shut down; probable power interruption
08/01/02	A, B, and DP3-1 operating normally
08/06/02	GWRT shut down; probable power interruption
08/12/02	Leak developed in piping at A-4; A-system shut down for repairs
08/21/02	Repairs at A-4 complete
09/01/02	A, B, and DP3-1 operating normally
10/01/02	A, B, and DP3-1 operating normally
11/01/02	A, B, and DP3-1 operating normally
11/10/02	DP3-1 pump failure (repairs in progress)
11/19/02	GWRT shut down; probable power interruption
12/01/02	A and B systems operating normally
12/27/02	Water observed in A-3 vault; leak suspected (repairs in progress)

2.1.2 Groundwater Recovery and Treatment System

The GWRT system experienced several operational incidents during 2002. Seven power interruptions caused by inclement weather, occurred throughout the year, causing a temporary shutdown of the GWRT system. Upon notification of the shutdown, RMT manually restarted the system as soon as practical. In January, the effluent flow meter failed and required service at the factory. An updated module was installed under warranty of the unit that was installed last year. The meter was back on-line by February. The bearings and mechanical seal of pump P-200 failed in January. The pump was subsequently removed and serviced at Sanders Brothers in Gaffney, South Carolina. The repaired pump was reinstalled on January 25, 2002. The groundwater recovery system was taken off-line for 4 days to facilitate clean-out of the 8,000-gallon equalization tank. This tank had accumulated a considerable amount of grit and other solid material since its original installation in 1994. The foreign material was removed and the tank was pressure washed. This activity was completed in April. In August, a leak in the 2-inch line at well A-4 was repaired. In November, flow from dual-phase well DP3-1 stopped. RMT suspects that the coupling between the pump and motor may have failed. This repair was completed in February 2003. In December, another leak was discovered when an accumulation of water was observed in the vault for well A-3. This leak was repaired in January 2003.

Although all three dual-phase wells were on-line during 2002, only DP-3-1 typically recovered any water. During 2002, this well recovered approximately 1,400,000 gallons of VOC-affected groundwater at an average flow rate of 4,400 gpd. The other two dual-phase recovery wells failed to produce any water because the observed elevation of groundwater had been reduced below their lowest depth of influence.

Recovery system operating statistics are as follows:

- *A-system*

- 284 full days of operation
- 28 partial days of operation
- 53 days shut down
- Approximately 5.6 million gallons recovered

- *B-system*

- 320 full days of operation
- 23 partial days of operation
- 22 days shut down
- Approximately 2.0 million gallons recovered

- **DP wells (DP 3-1 only)**
 - 278 days of operation
 - 19 partial days of operation
 - 68 days shut down
 - Approximately 1.4 million gallons recovered

2.2 Monitoring

2.2.1 Soil Vapor Extraction and Groundwater Recovery System

Soil Vapor Extraction System

Vapor samples from individual SVE recovery points and from the stack have been periodically collected to monitor the recovery of VOCs from vadose zone soils. Vapor samples were, in turn, submitted to the Wisconsin Occupational Health Laboratory for a solvent scan analysis. Results of the 2002 SVE monitoring program are discussed in Subsection 3.1 of this annual report.

Groundwater Recovery System Water Level Monitoring

Groundwater elevations have been measured monthly during 2002 in each of the Site groundwater monitoring wells, groundwater recovery wells, and piezometers. The 2002 groundwater elevation data are summarized in Table 2-3. The groundwater elevations have been plotted and the resulting hydrographs (see Appendix B) illustrate the variability of water levels measured during the intermittent periods of operating the groundwater recovery system. Corresponding peaks and valleys are observed in the hydrographs of the recovery wells and monitoring wells as a result of system shutdown and start-up. These are all ongoing technical maximization measures designed to improve VOC recovery from the subsurface of the Site. The water elevation data were also used to evaluate and determine groundwater flow and direction. Plate 1 illustrates the water table conditions observed at the Site in February, May, September, and December 2002.

Table 2-3
Summary of 2002 Groundwater Elevation Data

WELL NO.	BOTTOM OF WELL SCREEN	TOP OF CASING ELEV.	WATER ELEV. 02/22/02	WATER ELEV. 03/20/02	WATER ELEV. 04/18/02	WATER ELEV. 05/07/02	WATER ELEV. 06/04/02
A-1	539.09	651.73	569.73	571.30	572.19	571.20	569.58
A-2	524.19	643.81	558.21	559.85	562.09	561.59	558.26
A-3	506.77	604.67	512.27	518.23	538.77	522.12	513.15
A-4	530.08	618.09	536.19	537.48	537.16	536.25	536.22
A-5	467.36	603.21	549.61	550.76	557.47	553.23	550.88
A-6	484.31	632.09	550.54	553.67	557.05	556.56	553.80
A-7	485.50	605.10	541.10	539.90	542.48	541.59	542.88
B-1	513.39	660.55	556.01	555.44	560.40	563.39	557.75
B-2	515.51	661.56	564.49	566.92	568.00	567.71	564.29
B-3	509.84	661.84	560.89	562.29	562.24	563.06	559.66
B-4	513.78	665.81	558.51	556.18	558.46	560.01	556.62
DP-2-1	557.84	677.84	NM	NM	NM	NM	NM
DP-3-1	516.78	665.78	NM	NM	NM	NM	NM
DP-3-2	528.83	672.83	NM	NM	NM	NM	NM
SW-1	629.26	690.47	637.12	635.27	635.46	635.68	635.59
BW-1	593.85 ⁽²⁾	689.90	635.39	635.48	635.57	635.76	635.72
BW-2	576.26 ⁽²⁾	662.99	DRY	DRY	DRY	DRY	DRY
SW-3	592.90	671.31	DRY	DRY	DRY	DRY	DRY
BW-3	518.44 ⁽²⁾	574.82	567.91	568.24	568.37	568.14	567.45
SW-4	600.38	671.39	DRY	DRY	DRY	DRY	DRY
BW-4	531.65 ⁽²⁾	564.32	558.58	454.69	559.36	558.78	557.92
SW-101	567.30	604.18	571.26	571.27	571.30	571.27	570.50
SW-102	568.85	620.07	574.04	574.71	575.12	575.16	574.42
SW-103	588.40	635.68	DRY	DRY	DRY	DRY	DRY
SW-104	612.46	649.85	DRY	DRY	DRY	DRY	DRY
BW-105	558.57	671.55	588.65	590.24	590.80	589.74	586.95
SW-106	571.91	596.12	575.63	576.55	577.58	577.64	576.59
BW-106	511.91 ⁽²⁾	595.76	567.51	577.91	580.66	571.74	567.21
SW-108	583.66	605.28	DRY	DRY	DRY	DRY	DRY
BW-108	509.25 ⁽²⁾	605.64	568.09	573.70	575.74	DRY	567.44
SW-109	598.65	661.26	DRY	DRY	DRY	DRY	DRY
BW-109	569.15 ⁽²⁾	661.47	DRY	DRY	DRY	DRY	DRY
BW-110	540.73	626.36	574.11	574.22	574.71	574.83	574.18
SW-201	UK	620.68	DRY	DRY	DRY	DRY	DRY
BW-201	UK	618.29	562.29	566.71	568.87	568.31	562.78
SW-202	596.86	636.93	DRY	DRY	DRY	DRY	DRY
BW-202	561.36	636.79	592.79	597.65	598.17	597.07	591.85
MLW-1-1	454.71	653.32	561.71	564.35	565.91	565.34	561.65
MLW-1-2	501.21	653.32	561.98	564.46	566.02	565.72	561.97
MLW-1-3	529.71	653.32	563.51	565.51	567.02	565.73	562.89
MLW-1-4	577.18	653.32	577.33	DRY	DRY	DRY	DRY
MLW-3-1	439.26	636.68	554.46	559.01	561.19	561.09	556.43
MLW-3-2	492.76	636.68	552.64	555.61	558.71	558.23	554.82
MLW-3-3	513.26	636.68	554.10	556.99	560.07	559.59	556.33
MLW-3-4	563.76	636.68	562.76	DRY	DRY	DRY	DRY
MW-2-1	450.93	602.8	549.90	554.81	533.86	545.44	552.51
MW-2-2	513.22	602.42	562.47	563.10	566.52	565.06	562.46
MW-3-D	530.78	670.28	562.35	564.59	564.24	565.06	560.58
MW-4-1	525.41	644.81	553.75	556.74	549.28	553.04	555.64
MW-4-2	558.27	644.6	562.17	563.85	564.70	564.76	562.03
PZ-1	560.30	575.41	567.84	568.36	568.94	568.04	567.29
PZ-101	627.04	688.49	635.29	631.02	631.04	631.40	630.92

⁽¹⁾ Elevations are reported in feet above mean sea level.

⁽²⁾ Well is a bedrock well with an open borehole and no screen. Elevation is provided for bottom of borehole.

All elevations are referenced to the National Geodetic Vertical Datum (NGVD).

UK - Bottom of well screen is unknown.

NM - Not measured

Table 2-3
Summary of 2002 Groundwater Elevation Data

WELL NO.	BOTTOM OF WELL SCREEN	TOP OF CASING ELEV.	WATER ELEV. 07/19/02	WATER ELEV. 08/12/02	WATER ELEV. 09/20/02	WATER ELEV. 10/24/02	WATER ELEV. 12/02/02
A-1	539.09	651.73	569.68	570.04	572.60	570.46	572.16
A-2	524.19	643.31	559.07	561.80	571.12	560.94	564.48
A-3	506.77	604.67	523.58	533.39	571.67	529.27	557.61
A-4	530.08	618.09	536.14	537.27	582.45	538.68	538.11
A-5	467.36	603.21	553.69	556.40	572.57	556.88	556.74
A-6	484.31	632.09	555.57	557.54	573.42	558.36	559.19
A-7	485.50	605.10	545.20	548.29	572.96	549.91	547.65
B-1	513.39	660.55	561.18	555.44	562.76	564.48	566.73
B-2	515.51	661.56	565.29	565.34	567.03	567.26	570.05
B-3	509.84	661.84	560.50	561.77	561.02	561.13	571.54
B-4	513.78	665.81	556.86	556.09	558.37	560.44	569.22
DP-2-1	557.84	677.84	NM	NM	NM	NM	NM
DP-3-1	516.78	665.78	NM	NM	NM	NM	NM
DP-3-2	528.83	672.83	NM	NM	NM	NM	NM
SW-1	629.26	690.47	635.05	634.85	635.29	635.1	634.17
BW-1	593.85 ⁽²⁾	689.90	635.13	635.01	634.45	634.8	634.16
BW-2	576.26 ⁽²⁾	662.99	DRY	DRY	576.47	576.56	DRY
SW-3	592.90	671.31	DRY	DRY	DRY	DRY	DRY
BW-3	518.44 ⁽²⁾	574.82	566.94	565.90	566.72	567.59	568.1
SW-4	600.38	671.39	DRY	DRY	DRY	DRY	DRY
BW-4	531.65 ⁽²⁾	564.32	557.21	556.75	557.27	557.83	558.49
SW-101	567.30	604.18	569.79	568.03	569.36	571.31	570.95
SW-102	568.85	620.07	572.80	572.23	571.55	572.11	573.43
SW-103	588.40	635.68	DRY	DRY	DRY	DRY	DRY
SW-104	612.46	649.85	DRY	DRY	DRY	DRY	DRY
BW-105	558.57	671.55	586.90	586.62	587.95	586.04	589.62
SW-106	571.91	596.12	574.25	573.64	572.85	572.93	574.59
BW-106	511.91 ⁽²⁾	595.76	567.51	568.36	568.41	568.74	570.94
SW-108	583.66	605.28	DRY	DRY	DRY	DRY	DRY
BW-108	509.25 ⁽²⁾	605.64	567.08	572.96	574.10	568.04	572.28
SW-109	598.65	661.26	DRY	DRY	DRY	DRY	DRY
BW-109	569.15 ⁽²⁾	661.47	DRY	DRY	DRY	DRY	DRY
BW-110	540.73	626.36	572.72	572.40	571.81	572.21	573.31
SW-201	UK	620.68	DRY	DRY	DRY	DRY	DRY
BW-201	UK	618.29	560.59	568.60	574.24	565.81	567.54
SW-202	596.86	636.93	DRY	DRY	DRY	DRY	DRY
BW-202	561.36	636.79	590.13	590.07	591.87	589.2	593.02
MLW-1-1	454.71	653.32	562.07	562.84	565.66	563.99	566.28
MLW-1-2	501.21	653.32	562.70	563.09	565.26	564.80	567.12
MLW-1-3	529.71	653.32	563.69	564.32	565.43	565.65	568.05
MLW-1-4	577.18	653.32	DRY	DRY	DRY	DRY	DRY
MLW-3-1	439.26	636.68	557.43	559.76	570.00	560.11	560.99
MLW-3-2	492.76	636.68	555.96	558.16	569.59	558.57	559.51
MLW-3-3	513.26	636.68	557.46	559.49	571.00	560.02	560.92
MLW-3-4	563.76	636.68	DRY	DRY	570.51	563.01	563.88
MW-2-1	450.93	602.8	537.35	549.71	532.20	550.8	559.95
MW-2-2	513.22	602.42	564.61	567.32	572.33	566.9	568.64
MW-3-D	530.78	670.28	560.93	562.30	562.68	561.53	572.25
MW-4-1	525.41	644.8	547.52	553.13	549.87	556.45	561.05
MW-4-2	558.27	644.6	562.21	563.23	570.88	563.11	565.04
PZ-1	560.30	575.41	566.57	565.76	566.48	567.36	567.86
PZ-101	627.04	688.49	631.05	630.71	632.11	631.79	630.18

⁽¹⁾ Elevations are reported in feet above mean sea level.

⁽²⁾ Well is a bedrock well with an open borehole and no screen. Elevation is provided for bottom of borehole.

All elevations are referenced to the National Geodetic Vertical Datum (NGVD).

UK - Bottom of well screen is unknown.

NM - Not measured

The water table configurations observed in February 2002 and May 2002 reflect the drawdown and resulting cone of depression created when the A-recovery system, the B-recovery system, and the DP wells are operating normally. The water level conditions observed in well MW-3D during February 2002 and May 2002 indicates that removal of groundwater from the DP wells concurrent with operation of the B-system wells has created a significant cone of depression in the water table across the Site.

The water table configuration in September 2002 illustrates the cone of depression created by operation of only the B-recovery system and the DP wells. During this period, the A-recovery system was not operating at the time water levels were measured. With this mode of system operation, a cone of depression was observed around the B-series and the DP wells. Another artifact of this mode of operation was a reduced hydraulic gradient observed around the A-series wells.

The water table configuration for December 2002 illustrates the influence on groundwater flow conditions by operating only the A-system and the B-system. The DP wells had not been in operation for 22 days when water levels were measured in December 2002. With this mode of system operation, the cone of depression normally created by the DP wells was less than typically observed. Additionally, water levels in B-2 and B-3 were higher then typically observed in these wells.

The water level data continues to indicate that the groundwater recovery system is effectively dewatering the saprolite zone. Wells BW-109 and SW-104 remained dry during 2002 indicating the success of dewatering by the DP wells. When the DP system was shut down in December 2002, water levels in wells B-2 and B-3 recovered to levels higher than when the system was operating, indicating the DP wells have a large effect on drawdown of the water table. Readily discernible cones of depression exist across the Site when the A-system, B-system, and DP wells are operating normally. Lower hydraulic gradients have been observed across the Site when groundwater pumping is interrupted.

Routine Sampling

As specified in the *Performance Standards Verification Plan* (RMT, August 1993), groundwater samples were collected quarterly from specified monitoring and recovery wells. Samples collected during the first three quarterly events were analyzed for the Site-specific list of VOCs. In the fourth quarter, the

comprehensive "annual" sampling event was conducted during which samples were collected from the list of "annual" monitoring wells. As in previous years, samples were also collected from the recovery wells in the fourth quarter.

Collection of water samples from the DP wells has been attempted during each quarterly sampling event. However, wells DP-2-1 and DP-3-2 have exhibited insufficient water for sampling even when wells were shut down for several weeks prior to the sampling event, and DP-3-1 could not be sampled when pump failure was experienced.

2.2.2 Groundwater Treatment System

As required by the Site's NPDES Permit, RMT has been collecting samples of the treated effluent since system start-up. Water samples are collected as "grab" samples from a sample tap located between the discharge port of the air stripper and the effluent flume. Monthly flow data and analytical results for 2002 are summarized in Table 2-4. These data show that the treatment system has effectively removed the VOCs listed in the NPDES permit to levels that are generally well below the permit limit and usually less than analytical detection limit of 0.001 mg/L. Monthly NPDES discharge monitoring reports (DMRs) are included in Appendix C.

All quarterly effluent samples collected and analyzed for chronic toxicity testing were deemed to be "passes" in 2002. The results are summarized on Table 2-5. Tests were performed using USEPA Method 1002.0 and uses an α of 0.01. However, the Medley Farm results must still be evaluated using an α of 0.05. The α value was not changed because SC DHEC determined that this step would have constituted a major permit modification. For this reason, the data were evaluated using a value α of 0.05.

2.3 Technical Maximization Measures

As a continuation of the Technical Maximization Measures (TMM) started in 1998, the A-system and B-system wells were intermittently shut down during 2002. The purpose of operating the A- and B-systems intermittently was to potentially disrupt the primary flow paths that have been established within the aquifer and to induce constituent movement through secondary or tertiary flow paths, as suggested by USEPA guidance.

Continued operation of the DP recovery wells in the SVE area during 2002 has also proven to be an effective TMM. Data collected during 2002 indicate this TMM has effectively removed additional VOC mass from the subsurface and contributed to further dewatering of the saprolite beneath the Site. Results of monitoring activities conducted at the DP wells are discussed later in this report.

Table 2-4
Summary of 2002 NPDES Monitoring Data

DATE	FLOW (mgd)		BOD (mg/L)		pH (s.u.)		1,2-DCA (mg/L)		1,1-DCE (mg/L)		PCE (mg/L)		TCE (mg/L)		CHRONIC TOX-PASS/FAIL
	avg	max	avg	max	min	max	avg	max	avg	max	avg	max	avg	max	
01/02	0.0276	0.045	<2	<2	7.41	8.02	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
02/02	0.026	0.0314	<2	<2	7.41	7.83	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	Pass (2 tests)
03/02	0.0325	0.0426	<3.5	8	7.5	7.64	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
04/02	0.0291	0.0436	<3.4	7.1	7.33	7.77	<0.001	<0.001	<0.001	<0.001	<0.0012	0.0022	<0.0019	0.0055	Pass (2 tests)
05/02	0.0301	0.0392	<2	<2	7.52	8.17	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
06/02	0.0275	0.031	<2	<2	7.22	7.53	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
07/02	0.0246	0.0303	<2	<2	7.32	7.84	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
08/02	0.0172	0.0347	<2	<2	7.58	8.14	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	Pass
09/02	0.0183	0.0302	<2	<2	7.5	7.81	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
10/02	0.0253	0.0355	<2	<2	7.5	8.1	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
11/02	0.0219	0.0337	<3	4.9	6.84	7.66	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
12/02	0.0167	0.0384	<2	<2	6.89	7.9	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	Pass

Table 2-5
Summary of Chronic Toxicity Testing

TEST DATE	GROUP	ADULTS	DEAD	PASS/FAIL	AVG OFFSPRING	VARIANCE	PASS/FAIL
02/11/02	Control	10	0	Pass	27.3	51.6	Pass
	Test	10	0		25.1	114	
03/11/02	Control	10	0	Pass	25.1	24.3	Pass
	Test	10	0		26.8	5.48	
05/13/02	Control	10	0	Pass	23.5	185	Pass
	Test	10	0		16.3	95.6	
05/20/02	Control	10	1	Pass	25.6	166	Pass
	Test	10	1		26.8	132	
08/12/02	Control	10	1	Pass	30.8	48.8	Pass
	Test	10	1		24.3	134	
12/09/02	Control	10	1	Pass	28.2	147	Pass
	Test	10	1		26.4	159	

Section 3

Remediation Progress

The results of SVE vapor and groundwater monitoring provide a way to track the progress of soil and groundwater remediation at the Site. This section of the annual report describes the monitoring results for samples collected in 2002 and discusses how VOC concentrations and mass removal rates observed in 2002 compare to historical observations at the Site. The laboratory analytical reports for the soil vapor samples are provided in Appendix D. The laboratory reports for groundwater samples are provided in Appendix E.

3.1 Soil Vapor Extraction Performance Monitoring Results

PSVP soil sampling conducted in 1998 and 1999 indicated that only the deeper soils in Area 3 contained VOCs that remained above the PSVP standards. For this reason, SVE operations have continued in Area 3 through 2002. Two DP wells (DP-3-1 and DP-3-2), four VE wells (VE-301, VE-302, VE-303, and VE-304), and four VM wells (VM-301, VM-302, VM-303, and VM-304) are utilized to extract soil vapor from Area 3.

As of December 2002, an estimated cumulative total of 1,534 pounds of VOCs have been recovered from SVE operations in Area 3 (see Table 3-1). VOC recovery from Area 3 accounts for the vast majority of VOC mass that has been removed from the vadose zone soils. During SVE operations in Areas 1 and 2, approximately 500 pounds of VOCs were removed from vadose zone soils in Area 1 and approximately 200 pounds of VOCs were removed from vadose zone soils in Area 2. VOC recovery from Areas 1 and 2 has been terminated as documented in a previous annual report.

Table 3-1 shows that cumulatively, the greatest VOC mass removal has been occurring at wells VE-301, VE-302, VE-303, VM-301D, and VM-304S. Appendix F contains graphs illustrating VOC recovery versus time for each of these individual SVE wells. These graphs show that VOC recovery from vadose zone soils in Area 3 have rapidly diminished. VOC stack emissions from the SVE system during the period 1996 through 1999 were generally around 2.5 lbs/day. During the past three years, VOC emissions have dropped to below 0.6 lbs/day, with essentially no mass recovery during 2002. These data show that while low levels of VOCs may remain in the vadose zone soils, the SVE system is no longer technically capable of removing it from the subsurface. The performance data collected at the Site indicates the asymptotic conditions have been reached. RMT recommends that additional PSVP borings be installed within Area 3 to determine if SVE operations may also be terminated in this area of the Site.

Table 3-1
Cumulative Estimate of Volatile Organic Compounds Removed from Area 3
via Soil Vapor through 2002

WELL NUMBER	TCE (lbs)	1,1,1-TCA (lbs)	PCE (lbs)	1,2-DCA (lbs)	1,1-DCA (lbs)	1,2-DCE (lbs)	TOTAL (lbs)
DP-3-1	1.27	0	4.10	4.10	0	.25	9.72
DP-3-2	0.980	0	0.36	1.74	0	0	3.06
VE-301	103.42	2.17	63.04	110.57	2.48	1.77	283.45
VE-302	72.53	0.77	7.46	100.22	0.79	1.71	183.49
VE-303	139.53	0.82	30.28	211.84	0.59	0.97	384.03
VE-304	9.01	0	4.82	15.63	0	0.00	29.46
VM-301S	6.94	0	5.53	5.72	0	.33	18.19
VM-301D	73.47	0	25.61	74.05	0	4.50	177.62
VM-302S	0	0	2.42	0	0	0	2.42
VM-302D	13.1	0	63.27	6.34	0	0.70	83.41
VM-303S	0	0	2.78	0	0	0	2.78
VM-303D	3.22	0	63	1.94	0	0	68.16
VM-304S	62.89	0	2.81	170.57	0	0	236.27
VM-304D	22.17	0	1.56	27.41	0	3.04	54.18
AREA 3	508.53	3.76	277.04	730.13	3.86	10.23	1,534

3.2 Groundwater Sampling Results

Analytical results from groundwater samples collected during 2002 from monitoring wells and recovery wells are summarized on Table 3-2. Groundwater concentrations that exceed the PSVP standard are shaded to highlight them.

3.2.1 Distribution of Volatile Organic Compounds in Groundwater

The Site-wide distribution of the four most prevalent VOCs detected at concentrations above the PSVP standard (TCE, PCE, 1,2-dichloroethane [1,2-DCA], and 1,1-dichloroethene [1,1-DCE]) are illustrated on Plates 2, 3, 4, and 5, respectively. As can be observed on each of these plates, the size of the VOC plume and the overall plume concentrations have progressively reduced with each year of soil vapor and groundwater treatment. The center of mass of the VOC plume remains located within the area of ongoing SVE operations, with the highest concentrations of VOCs detected in wells DP-3-1, B-3, B-4, and MW-4-1. The plume is elongated to the northeast from the SVE treatment area, which is also the former source area. The northeasterly trending component of VOC migration is associated with the presence of a northeast/southwest striking fault and steeply dipping beds of foliated bedrock, which imposes structural control on constituent migration.

Observations related to the VOC distribution in 2002 are as follows:

- The highest concentrations of TCE and PCE continue to be observed in the former source area nearest SVE treatment operations. VOCs appear to be migrating downgradient and to the northeast of the source area in the direction of wells A-2, MW-4-1, and MW-4-2 and in the direction of wells MW-2-1 and MW-2-2. Around the northern and southern periphery of the plume, VOC concentrations are significantly lower.
- In 2001, the PSVP standard for 1,2-DCA was exceeded only in well DP-3-1. During 2002, the concentration of 1,2-DCA in DP-3-1 declined from 0.003 mg/L in March to non-detect in August. A water sample could not be collected from DP-3-1 during the December 2002 sampling event because of a pump failure in the well.
- VOC concentrations observed in wells A-6 and MLW-3 continue to demarcate a close proximity to the northeastern edge of the VOC plume. VOC concentrations in MLW-1, south of recovery wells B-1 and B-2, remain below PSVP standards, thus defining the southern boundary of the VOC plume.
- TCE and PCE concentrations in wells MW-4-1 increased slightly while those in MW-4-2 remained relatively unchanged in 2002 relative to concentrations observed 2001. TCE and PCE concentrations in adjacent recovery well A-2 are slightly lower in 2002 than those reported in 2001; however, they remain higher in comparison to concentrations reported before 1999.

Table 3-2
Summary of Groundwater Analytical Results

PARAMETER ⁽¹⁾	PSVP ⁽²⁾ STANDARD	LOCATION/SAMPLE DATE								
		A-1	A-2	A-3	A-4	A-5	A-6	A-7	B-1	B-2
		12/03/02	12/03/02	12/03/02	12/03/02	12/03/02	12/03/02	12/03/02	12/03/02	12/03/02
Acetone	0.35	<0.005 &	<0.01 &	<0.005 &	<0.005 &	<0.005 &	<0.005 &	<0.005 &	<0.005 &	<0.005 &
2-Butanone	2.0	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chloroform	0.1	0.0026	0.018	0.0015	<0.001	0.0045	<0.001	0.001	0.0067	0.00079 J
Chloromethane	0.063	<0.001	<0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,1-Dichloroethane	0.35	<0.001	<0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,2-Dichloroethane	0.005	<0.001	<0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,1-Dichloroethene	0.007	<0.001	0.0013 J	0.0019	<0.001	0.0034	<0.001	0.0029	0.0013	0.0018
cis-1,2-Dichloroethene	0.07	<0.001	0.0017 J	0.0009 J	<0.001	0.0029	<0.001	0.0013	<0.001	<0.001
Methylene chloride	0.005	<0.001	<0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Tetrachloroethene	0.005	0.0094 &k	0.09 &k	0.0072 &k	0.007 &k	0.02 &k	0.0021 &k	0.018 &k	0.018 &k	0.0059 &k
1,1,1-Trichloroethane	0.2	<0.001	<0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,1,2-Trichloroethane	0.005	<0.001	0.0041	<0.001	<0.001	<0.001	<0.001	<0.001	0.00052 J	<0.001
Trichloroethene	0.005	0.03	0.22	0.015	0.005	0.048	0.0038	0.026	0.029	0.013

PARAMETER ⁽¹⁾	PSVP ⁽²⁾ STANDARD	LOCATION/SAMPLE DATE								
		(DU-02402)				(DU-02201)				
		B-3	B-4	BW-3	BW-105	BW-108	3/22/02	6/6/02	6/6/02	8/14/02
Acetone	0.35	<0.01 &	<0.005 &	<0.005 &	<0.005 &	<0.005 &	<0.005	<0.005	<0.005	<0.005
2-Butanone	2.0	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chloroform	0.1	0.0086	0.032	<0.001	<0.001	0.0084	<0.001	<0.001	<0.001	<0.001
Chloromethane	0.063	<0.002	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.002	<0.001
1,1-Dichloroethane	0.35	<0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,2-Dichloroethane	0.005	<0.002	0.0019	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,1-Dichloroethene	0.007	0.019	0.019	<0.001	<0.001	0.0055	<0.001	0.00065 J	0.00073 J	<0.001
cis-1,2-Dichloroethene	0.07	<0.002	0.0096	<0.001	<0.001	<0.001	0.00046 J	0.00059 J	0.00064 J	<0.001
Methylene chloride	0.005	<0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Tetrachloroethene	0.005	0.045 &k	0.072 &k	<0.001	<0.001	0.0031	0.0015	0.0021	0.002	0.0016
1,1,1-Trichloroethane	0.2	0.0029	0.0063	<0.001	<0.001	0.0086	<0.001	<0.001	<0.001	<0.001
1,1,2-Trichloroethane	0.005	<0.002	0.00081 J	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Trichloroethene	0.005	0.22	0.16	<0.001	<0.001	0.0025	0.002 &	0.0031	0.0031	0.0029

Table 3-2
Summary of Groundwater Analytical Results

PARAMETER ⁽¹⁾	PSVP ⁽²⁾ STANDARD	LOCATION/SAMPLE DATE							
		BW-108	BW-110	BW-201				BW-202	
		12/10/02	12/10/02	3/21/02	6/5/02	8/13/02	12/6/02	3/21/02	6/5/02
Acetone	0.35	<0.005 &	<0.005 &	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
2-Butanone	2.0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chloroform	0.1	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Chloromethane	0.063	<0.001	<0.001	<0.002	<0.002	<0.001	<0.001	<0.002 N	<0.001
1,1-Dichloroethane	0.35	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,2-Dichloroethane	0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,1-Dichloroethene	0.007	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
cis-1,2-Dichloroethene	0.07	<0.001	<0.001	0.00088 J	0.00069 J	<0.001	<0.001	<0.001	<0.001
Methylene chloride	0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Tetrachloroethene	0.005	0.0015	<0.001	0.0023	0.0022	0.0021	0.0023	0.0025	0.0025
1,1,1-Trichloroethane	0.2	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,1,2-Trichloroethane	0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Trichloroethene	0.005	0.0016	0.00084 J	0.0036 &	0.0034	0.0034	0.0039	0.00075 J&	0.00078 J
									<0.001

PARAMETER ⁽¹⁾	PSVP ⁽²⁾ STANDARD	LOCATION/SAMPLE DATE							
		BW-202	DP-3-1			MLW-1-1	MLW-1-2	MLW-1-3	MLW-3-1
		12/6/02	3/22/02	6/6/02	8/13/02	12/09/02	12/09/02	12/09/02	3/21/02
Acetone	0.35	<0.005	<0.025	<0.005	<0.012	<0.005 &	0.016 &k	0.05 &k	0.033
2-Butanone	2.0	<0.005	<0.025	<0.005	<0.012	<0.005	0.016	<0.005	0.0095
Chloroform	0.1	<0.001	0.083	0.077	0.084	0.0056	0.0058	0.0041	<0.001
Chloromethane	0.063	<0.001	<0.01	<0.002	<0.0025	<0.001	<0.001	<0.001	<0.002
1,1-Dichloroethane	0.35	<0.001	<0.005	<0.001	<0.0025	<0.001	<0.001	<0.001	<0.001
1,2-Dichloroethane	0.005	<0.001	0.003 J	0.0016	<0.0025	<0.001	<0.001	<0.001	<0.001
1,1-Dichloroethene	0.007	<0.001	0.033	0.037	0.03	<0.001	<0.001	<0.001	<0.001
cis-1,2-Dichloroethene	0.07	<0.001	0.01	0.012	0.013	<0.001	<0.001	<0.001	0.00055 J
Methylene chloride	0.005	<0.001	<0.005	<0.001	<0.0025	0.00079 J	0.0014	0.0005 J	<0.001
Tetrachloroethene	0.005	0.0024	0.16	0.17	0.14	<0.001	<0.001	<0.001	0.0018
1,1,1-Trichloroethane	0.2	<0.001	0.0092	0.01	0.0084	<0.001	0.00093 J	0.00097 J	<0.001
1,1,2-Trichloroethane	0.005	<0.001	<0.005	<0.001	<0.0025	<0.001	<0.001	<0.001	<0.001
Trichloroethene	0.005	<0.001	0.38 &	0.31 D	0.36	<0.001	<0.001	<0.001	0.0042 &
									0.0061

Table 3-2
Summary of Groundwater Analytical Results

PARAMETER ⁽¹⁾	PSVP ⁽²⁾ STANDARD	LOCATION/SAMPLE DATE								
		MLW-3-1		MLW-3-2				MLW-3-3		
		8/13/02	12/9/02	3/21/02	6/5/02	8/13/02	12/9/02	3/21/02	6/5/02	8/13/02
Acetone	0.35	0.67	6.8 &k	0.021	0.018	0.01	<0.005 &	<0.005	0.0039 J	<0.005
2-Butanone	2.0	0.1	1.2	0.0048 J	0.0056	<0.005	<0.005	<0.005	0.0013 J	<0.005
Chloroform	0.1	<0.005	<0.05	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Chloromethane	0.063	<0.005	<0.05	<0.002	<0.002	<0.001	<0.001	<0.002	0.0019 J	<0.001
1,1-Dichloroethane	0.35	<0.005	<0.05	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,2-Dichloroethane	0.005	<0.005	<0.05	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,1-Dichloroethene	0.007	<0.005	<0.05	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
cis-1,2-Dichloroethene	0.07	<0.005	<0.05	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Methylene chloride	0.005	<0.005	<0.05	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Tetrachloroethene	0.005	0.0051	<0.05	0.0021	0.00048 J	0.0012	0.0017	0.0016	0.0024	0.0017
1,1,1-Trichloroethane	0.2	<0.005	<0.05	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,1,2-Trichloroethane	0.005	<0.005	<0.05	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Trichloroethene	0.005	<0.005	<0.05	0.005 &	0.0024	0.0039	0.0053	0.0037 &	0.0069	0.0056

PARAMETER ⁽¹⁾	PSVP ⁽²⁾ STANDARD	LOCATION/SAMPLE DATE								
		MLW-3-3				MW-2-1				
		12/9/02	3/22/02	6/6/02	8/14/02	12/11/02	3/22/02	6/6/02	8/14/02	
Acetone	0.35	<0.005 &	<0.005	<0.005	<0.005	<0.005 &	<0.005	<0.005	<0.005	<0.005
2-Butanone	2.0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chloroform	0.1	<0.001	0.0013	0.0016	0.0019	0.0022	0.0067	0.007	0.0069	0.0069
Chloromethane	0.063	<0.001	<0.002	<0.002	<0.001	<0.001	<0.002	<0.002	<0.001	<0.001
1,1-Dichloroethane	0.35	<0.001	0.00067 J	0.00063 J	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,2-Dichloroethane	0.005	<0.001	0.0021	0.0021	0.0019	0.0018	0.0016	0.0011	<0.001	<0.001
1,1-Dichloroethene	0.007	<0.001	0.013	0.013	0.0097	0.0099	0.0047	0.0051	0.0042	0.004
cis-1,2-Dichloroethene	0.07	<0.001	0.0015	0.0017	0.0023	0.0015	0.0035	0.0035	0.004	0.0036
Methylene chloride	0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Tetrachloroethene	0.005	0.0019	0.012	0.014	0.013	0.016	0.02	0.019	0.019	0.018
1,1,1-Trichloroethane	0.2	<0.001	0.00078 J	0.00072 J	<0.001	0.00074 J	0.0014	0.0014	0.0014	0.0013
1,1,2-Trichloroethane	0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Trichloroethene	0.005	0.0052	0.026 &	0.029	0.031	0.037	0.056 &	0.054	0.055	0.055

Table 3-2
Summary of Groundwater Analytical Results

PARAMETER ⁽¹⁾	PSVP ⁽²⁾ STANDARD	LOCATION/SAMPLE DATE									
		(DU-02102)						MW-4-1			
		MW-2-2	12/11/02	3/22/02	3/22/02	6/6/02	8/14/02	12/10/02	3/22/02	6/6/02	8/14/02
Acetone	0.35	<0.005 &	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005 &	<0.01	<0.005	<0.005
2-Butanone	2.0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005
Chloroform	0.1	0.0059	0.00074 J	0.00072 J	0.00065 J	<0.001	<0.001	0.06	0.057	0.054	
Chloromethane	0.063	<0.001	<0.002	<0.002	<0.002	<0.001	<0.001	<0.001	<0.004	<0.002	<0.001
1,1-Dichloroethane	0.35	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.002	<0.001	<0.001
1,2-Dichloroethane	0.005	0.00096 J	<0.001	<0.001	<0.001	<0.001	<0.001	0.0014 J	0.0014	0.0011	
1,1-Dichloroethene	0.007	0.0029	0.0028	0.0026	0.0021	0.0018	0.0017	0.0058	0.0058	0.0036	
cis-1,2-Dichloroethene	0.07	0.0032	0.0026	0.0025	0.0021	0.0023	0.0021	0.0016 J	0.0013	0.0011	
Methylene chloride	0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.002	<0.001	<0.001	
Tetrachloroethene	0.005	0.016	0.037	0.032	0.028	0.032	0.031	0.12	0.089	0.079	
1,1,1-Trichloroethane	0.2	0.0011	<0.001	<0.001	<0.001	<0.001	<0.001	<0.002	0.00089 J	<0.001	
1,1,2-Trichloroethane	0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.025	0.022	0.022	
Trichloroethene	0.005	0.042	0.036 &	0.032 &	0.026	0.03	0.028	0.26 &	0.17 D	0.19	

PARAMETER ⁽¹⁾	PSVP ⁽²⁾ STANDARD	LOCATION/SAMPLE DATE								
		(DU-02101)						(DU-02401)		
		MW-4-1	12/11/02	3/21/02	3/21/002	6/5/02	8/13/02	12/6/02	SW-101	SW-102
Acetone	0.35	<0.01 &	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
2-Butanone	2.0	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chloroform	0.1	0.059	0.0095	0.0088	0.0087	0.013	0.012	<0.001	<0.001	<0.001
Chloromethane	0.063	<0.002	<0.002	<0.002	<0.002	<0.001	<0.001	<0.001	<0.001	<0.001
1,1-Dichloroethane	0.35	<0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,2-Dichloroethane	0.005	<0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,1-Dichloroethene	0.007	0.0032	0.0016	0.0013	0.0017	0.0012	0.0015	<0.001	<0.001	<0.001
cis-1,2-Dichloroethene	0.07	<0.002	0.0012	0.0013	0.0013	0.0015	0.0012	<0.001	<0.001	<0.001
Methylene chloride	0.005	<0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Tetrachloroethene	0.005	0.087	0.037	0.036	0.036	0.052	0.045	<0.001	<0.001	<0.001
1,1,1-Trichloroethane	0.2	<0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,1,2-Trichloroethane	0.005	0.023	<0.001	<0.001	<0.001	<0.001	<0.001	0.0015	<0.001	<0.001
Trichloroethene	0.005	0.23	0.14 &	0.14 &	0.14	0.2	0.17	<0.001	<0.001	<0.001

Table 3-2
Summary of Groundwater Analytical Results

Qualifiers

⁽¹⁾ Analytical results are reported in milligrams per liter (mg/L) unless otherwise noted.

⁽²⁾ Performance standards set from target levels in Table 19 of the Medley Farm ROD.

Shading indicates sample exceeds Performance Standard.

< - Concentration less than the Quantitation Limit.

& - Laboratory Control Spike recovery not within control limits.

J - Qualitative mass spectral evidence of analyte present; concentration is less than reporting limit.

k - Analyte present; reported value may be biased high.

N - Spiked sample recovery not within control limits.

D - Results from diluted sample.

- Three VOCs (TCE ,PCE, and 1,1-DCE) were detected in recovery well B-2 during the December 2002 sampling event, with concentrations of PCE and TCE reported above the PSVP standard. During the annual sampling event of 2001, TCE was the only VOC detected in B-2, at a concentration below the PSVP standard. VOC concentrations in B-2 continue to be the lowest among the B recovery wells.

3.2.2 Time Versus Concentration Trends

Time versus concentration graphs for the four VOCs of concern are presented in Appendix G. Graphs were prepared for 11 groundwater recovery wells and for all monitoring wells that have routinely yielded water for sampling. Per USEPA's request, latter time-concentration data were graphed separately, where appropriate, to better illustrate concentration changes at lower, more recent concentrations. As described in previous annual reports, a significant decrease in VOC concentrations was noted in most wells during the first year of groundwater recovery. Beginning in the second year of groundwater recovery, VOC concentrations continued to decline, but at a much lower rate.

With the exception of well A-2, VOC concentrations in the A-system and B-system wells have continued to decrease with time. However, little change was observed between 2001 and 2002, suggesting that asymptotic conditions are being approached, despite our ongoing attempts at TMMs.

Figure 3-1 presents radar graphs of the VOC data accumulated from the recovery wells during the period 1996 through 2002. Differences are evident in the distribution of VOCs seen in each recovery well over time. The gradual disappearance of 1,2-DCA is noted, as well as a decrease in the amount of 1,1-DCE over time. Slightly less cis-1,2-DCE is apparent in 2002 relative to 2001. The graphs continue to illustrate that TCE remains the most prevalent VOC detected in the recovery wells.

3.3 Volatile Organic Compound Mass Removal

The remediation system at the Site removed an estimated total of slightly more than 76 pounds of VOCs from the groundwater and soil during 2002. The majority of VOC removal (approximately 63 pounds) was recovered from the vadose zone soils via the SVE system in Area 3 (Table 3-3). The groundwater recovery system is estimated to have removed approximately 13.2 pounds of VOCs during 2002 (Table 3-4), with the majority of that contributed by groundwater recovered from well DP-3-1.

VOC mass removal from well DP-3-1 (approximately 7.2 pounds of VOCs in 2002) was roughly equivalent to that of both the A-system and B-system combined (approximately 5.9 pounds).

Figure 3-2 illustrates the annual estimates of VOC mass removal from groundwater treatment operations as a function of the total volume of groundwater removed since 1995. VOC removal has dropped off in 1997 and continued to decline through 2000. A slight increase in the VOC mass removal was noted in 2001 as a result of the addition of the DP wells to the remediation system and ongoing implementation of TMMs across the Site. As expected, the estimated mass of VOCs removed in 2002 is less than the estimated mass removed in 2001. The volume of groundwater recovered each year has consistently remained at around 10 million gallons per year since 1999. This decreasing trend indicates that groundwater pump and treat operations are experiencing diminishing returns.

Table 3-3
Total Mass (lbs) of Volatile Organic Compounds
Removed Per Year by Soil Vapor Extraction from Area 3
1999 through 2002

WELL NUMBER	YEAR			
	1999	2000	2001	2002
DP-3-1	NA	NA	4.8	3.2
DP-3-2	NA	NA	2.5	1.1
VE-301	0.0	0.0	0.8	0.1
VE-302	0.1	0.0	1.9	0.1
VE-303	2.4	0.0	17.3	5.8
VE-304	NA	NA	20.7	8.8
VM-301S	0.3	0.0	2.0	0.4
VM-301D	0.4	0.0	9.5	2.84
VM-302S	0.0	0.0	0.0	0.0
VM-302D	5.4	1.9	9.9	18.16
VM-303S	0.5	0.3	2.4	1.2
VM-303D	13.5	5.9	23.0	11.68
VM-304S	29.2	14.9	43.8	4.4
VM-304D	12.4	2.8	11.1	5.1
Total	64.2	25.8	149.7	62.88

Table 3-4
Estimated Volatile Organic Compound Mass Removed from Groundwater in 2002

RECOVERY WELL	PERCENT OF TOTAL	ESTIMATED VOLUME OF WATER RECOVERED		TVOCs (mg/L)	VOC MASS REMOVED		
		(gal)	(L)		(kg)	(lbs)	lb/Mgal
A-1	2%	106,000	400,000	0.0420	0.02	0.04	
A-2	16%	852,000	3,220,000	0.3350	1.08	2.38	
A-3	10%	532,000	2,010,000	0.0265	0.05	0.12	
A-4	14%	745,000	2,820,000	0.0120	0.03	0.07	
A-5	16%	852,000	3,220,000	0.0788	0.25	0.56	
A-6	30%	1,597,000	6,040,000	0.0059	0.04	0.08	
A-7	12%	639,000	2,420,000	0.0846	0.20	0.45	
A total		5,323,000	20,130,000		1.7	3.7	0.69
B-1	30%	696,000	2,630,000	0.0555	0.15	0.32	
B-2	40%	928,000	3,510,000	0.0215	0.08	0.17	
B-3	15%	348,000	1,320,000	0.2955	0.39	0.86	
B-4	15%	348,000	1,320,000	0.3016	0.40	0.88	
B total		2,320,000	8,780,000		1.0	2.2	0.96
DP 2-1		-	-	-	-	-	
DP 3-1		1,366,000	5,170,000	0.64	3.29	7.29	
DP 3-2		-	-	-	-	-	
DP total		1,366,000	5,170,000		3.3	7.2	5.30
System total		9,009,000	34,100,000		6.0	13.2	1.46

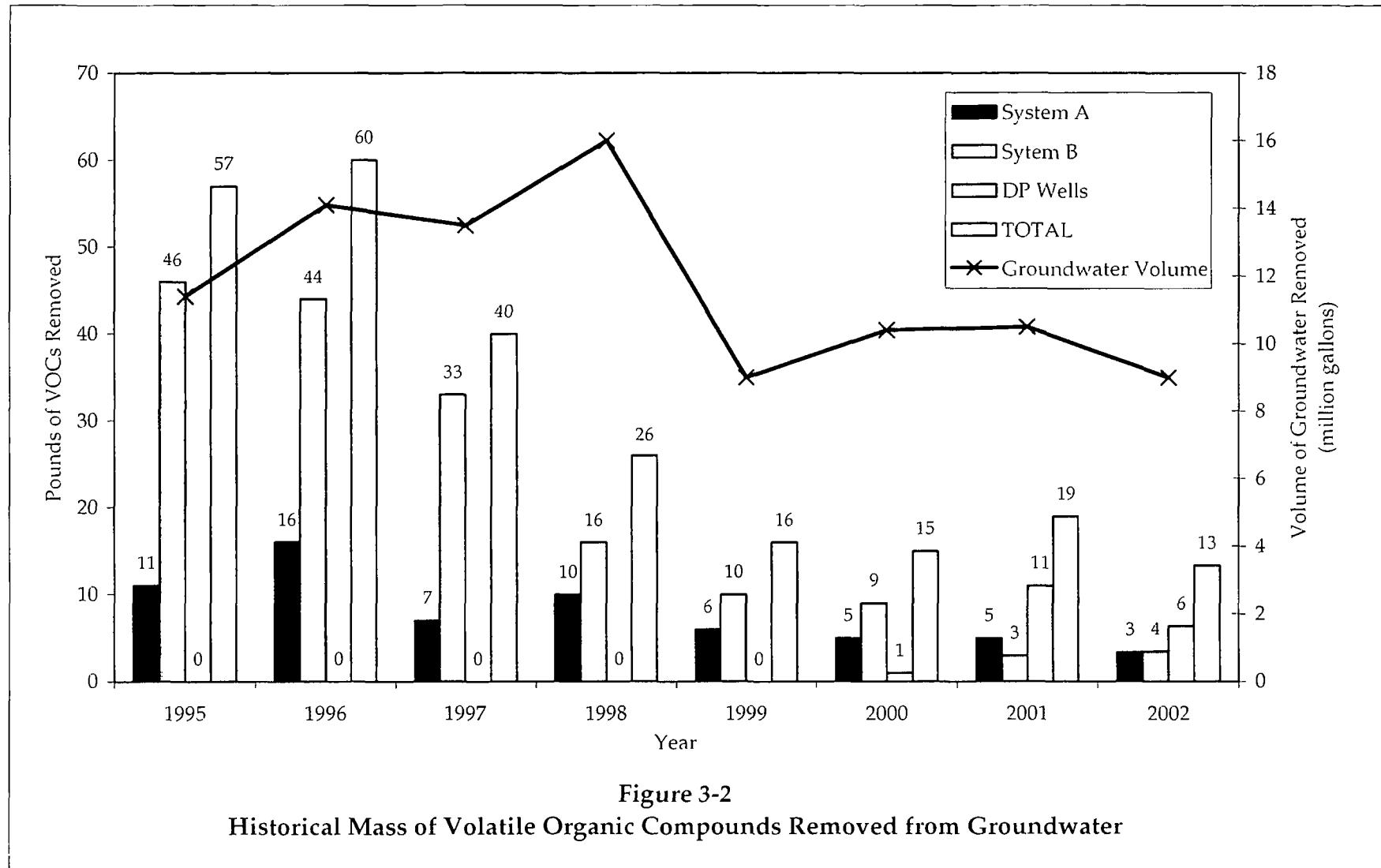
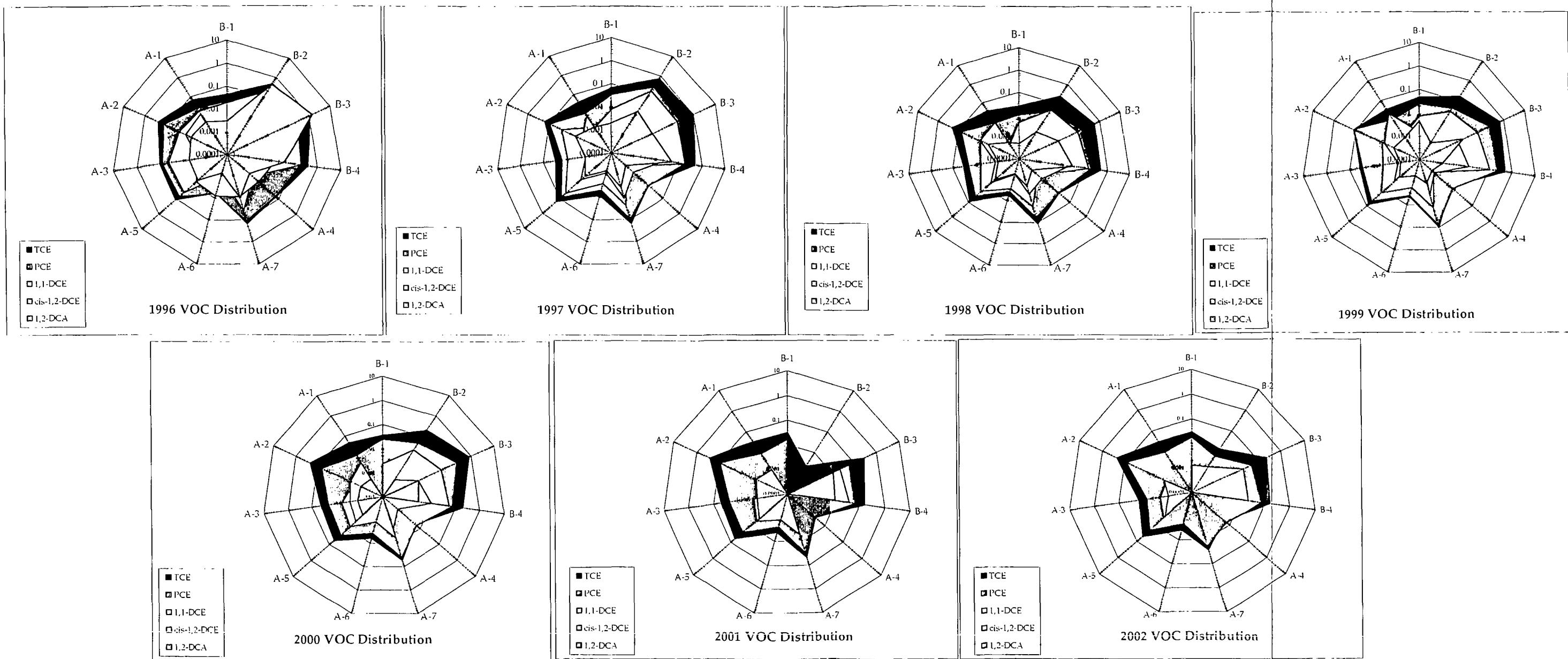


Figure 3-2
Historical Mass of Volatile Organic Compounds Removed from Groundwater

Figure 3-1
Volatile Organic Compounds Detected in Recovery Wells
1996 through 2002



Concentrations graphed in mg/L on a logarithmic scale.

Section 4

Conclusions and Recommendations

The following conclusions and recommendations have been developed based on data collected from the Site during 2002 and the data evaluations described in previous sections of this report.

4.1 Conclusions

- The SVE treatment system has recovered over 2,234 pounds of VOCs from vadose zone soils since start-up of the system in March 1995. However, VOC recovery from the SVE system has declined drastically in the past year; from approximately 150 pounds removed in 2001 to roughly 63 pounds in 2002.
- VOC mass recovery data from the SVE system over time show that the SVE system is no longer removing appreciable amounts of VOC from the subsurface. Thus, an asymptotic condition has been achieved and a determination is needed to ascertain if continued SVE operations are warranted.
- Despite the reduction in VOC recovery by the SVE system in 2002, SVE continued to provide more effective mass removal of VOCs from the subsurface than the groundwater recovery system. Approximately 63 pounds of VOCs were removed from the subsurface by the SVE system in 2002, while only 13 pounds of VOCs were removed by the groundwater recovery system from more than 10 million gallons of water treated.
- VOC concentrations in the effluent continue to be at levels well below NPDES permit requirements, thus achieving the objectives of the remedial design.
- The size of the VOC groundwater plume and the overall plume concentrations have progressively reduced with each year of soil vapor and groundwater recovery. The highest concentrations of VOCs continue to be observed in the former source area nearest ongoing SVE treatment operations.
- With the exception of recovery well A-2, VOC concentrations in the A-system and B-system wells have continued to demonstrate a decreasing trend with time. However, little change was observed between 2001 and 2002, suggesting that asymptotic conditions are being encountered despite a concerted effort at implementing TMMs.

4.2 Recommendations

Based on observations and conclusions developed as a result of treatment system operations in 2002, the following recommendations are made for monitoring conducted in 2003:

- VOC recovery data from the SVE system indicate that asymptotic conditions have been reached. PSVP soil borings are recommended to confirm completion of SVE remediation in subsurface soils of Area 3 as set forth in the PSVP.

- Continue to evaluate VOC recovery rates from the A-system, B-system, and DP recovery wells to ascertain if asymptotic conditions have been reached in groundwater.
- Continue ongoing TMMs at the Site to improve VOC recovery for the ongoing treatment systems.
- Commence dialogue with USEPA and SC DHEC staff to consider measures that could hasten remedy completion.

Appendix A

NPDES Permit Requirements

Part III. Limitations and Monitoring Requirements

A. Effluent Limitations and Monitoring Requirements

1. During the period beginning on the effective date of this permit and lasting through the expiration date, the permittee is authorized to discharge from outfall serial number 001: Treated groundwater.

Such discharge shall be limited and monitored by the permittee as specified below:

EFFLUENT CHARACTERISTICS	DISCHARGE LIMITATIONS				MONITORING REQUIREMENTS	
	Mass (lbs/day unless other noted)		Concentration (mg/l unless other noted)			
	Monthly Average	Daily Maximum	Monthly Average	Daily Maximum	Sampling Frequency	Sample Type
Flow (MGD)	-	-	MR ¹	MR ¹	Daily	Continuous
Tetrachloroethene	-	-	MR ¹ mg/l	0.072 mg/l	1/Month	Grab

¹MR: Monitor and Report

2. The pH shall not be less than 6.0 standard units nor greater than 8.5 standard units and shall be monitored once per month by grab sample.
3. Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location: after treatment but prior to mixing with the receiving stream.

B Effluent Toxicity Limitations and Monitoring Requirements

- During the period beginning on the effective date and lasting through the expiration date, the permittee is authorized to discharge from outfall 001: Treated groundwater.

Such discharge shall be limited and monitored by the permittee as specified below:

EFFLUENT CHARACTERISTICS	DISCHARGE LIMITATIONS		MONITORING REQUIREMENTS	
	Quarterly Average ¹	Maximum ¹	Measurement Frequency	Sample Type
WET Chronic Testing @ CTC= 33%	MR % ²	MR % ²	1/5 years	grab
Whole Effluent Toxicity Chronic Testing -Reproduction @ CTC=33%	MR % ²	MR % ²	1/5 years	grab
Whole Effluent Toxicity Chronic Testing - Mortality @ CTC=33%	MR % ²	MR % ²	1/5 years	grab

¹ Maximum is defined as the highest percent effect of all valid tests performed during the monitoring period following the procedures in Part V.B.1.d.

² See Part V.B.1 for additional toxicity reporting requirements. MR = Monitor and Report.

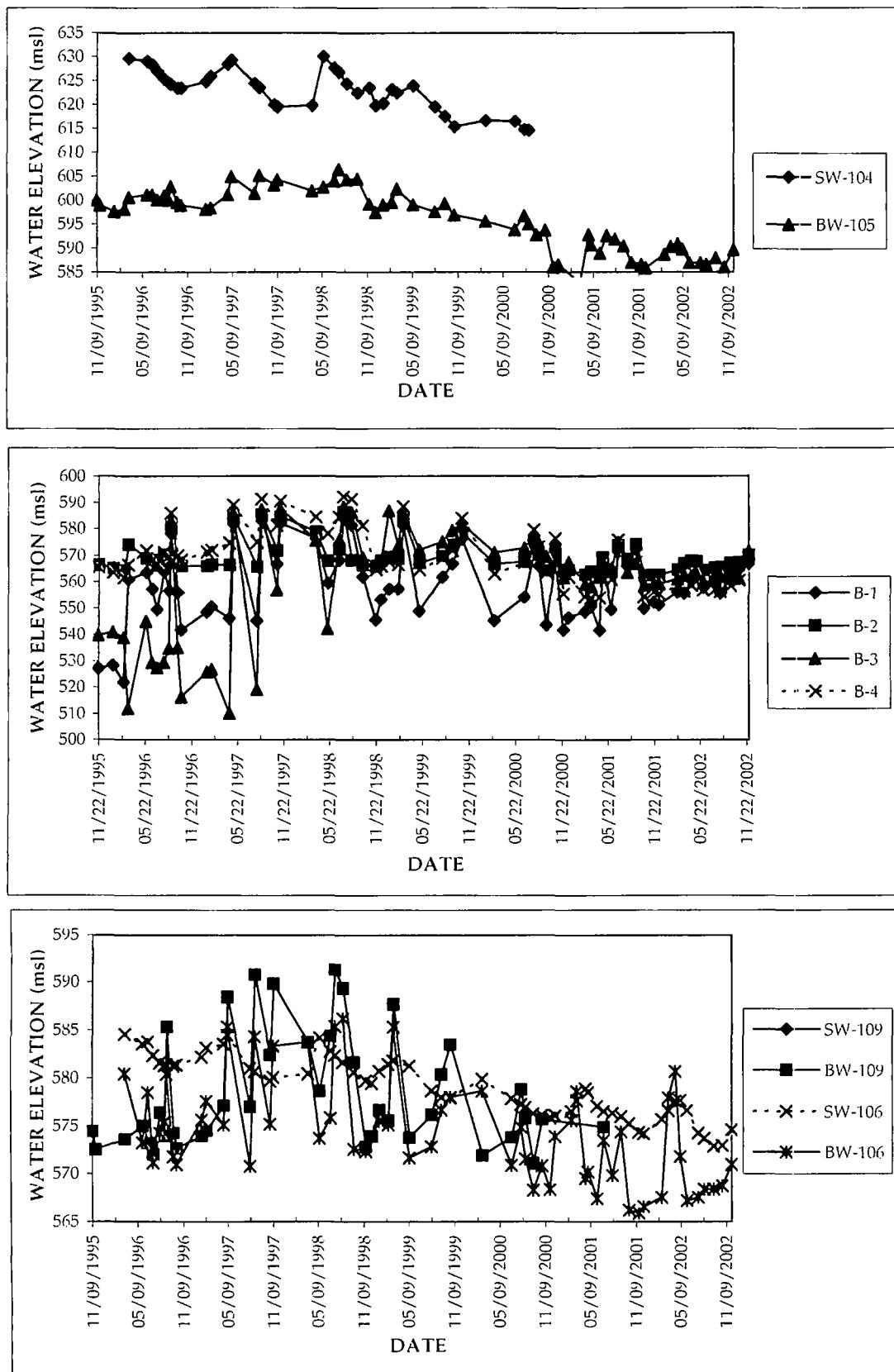
³ Valid tests must be separated by at least 13 days (from the time the first sample is taken to start one test until the time the first sample is taken to start a different test). There is no restriction on when a new test may begin following a failed or invalid test.

- Samples used to demonstrate compliance with the discharge limitations and monitoring requirements specified above shall be taken at or near the final point-of-discharge but, prior to mixing with the receiving waters or other waste streams.
- Valid test results from split samples shall be reported on the DMR. For reporting an average on the DMR, individual valid results for each test from a split sample are averaged first to determine a sample value. That value is averaged with other sample results obtained in the reporting period and the average of all sample results reported. For reporting the maximum on the DMR, individual valid results for each test from a split sample are averaged first to determine a sample value. That value is compared to other sample results obtained in the reporting period and the maximum of all sample results reported. For the purposes of reporting, split samples are reported as a single sample regardless of the number of times it is split. All laboratories used shall be identified on the DMR attachment.

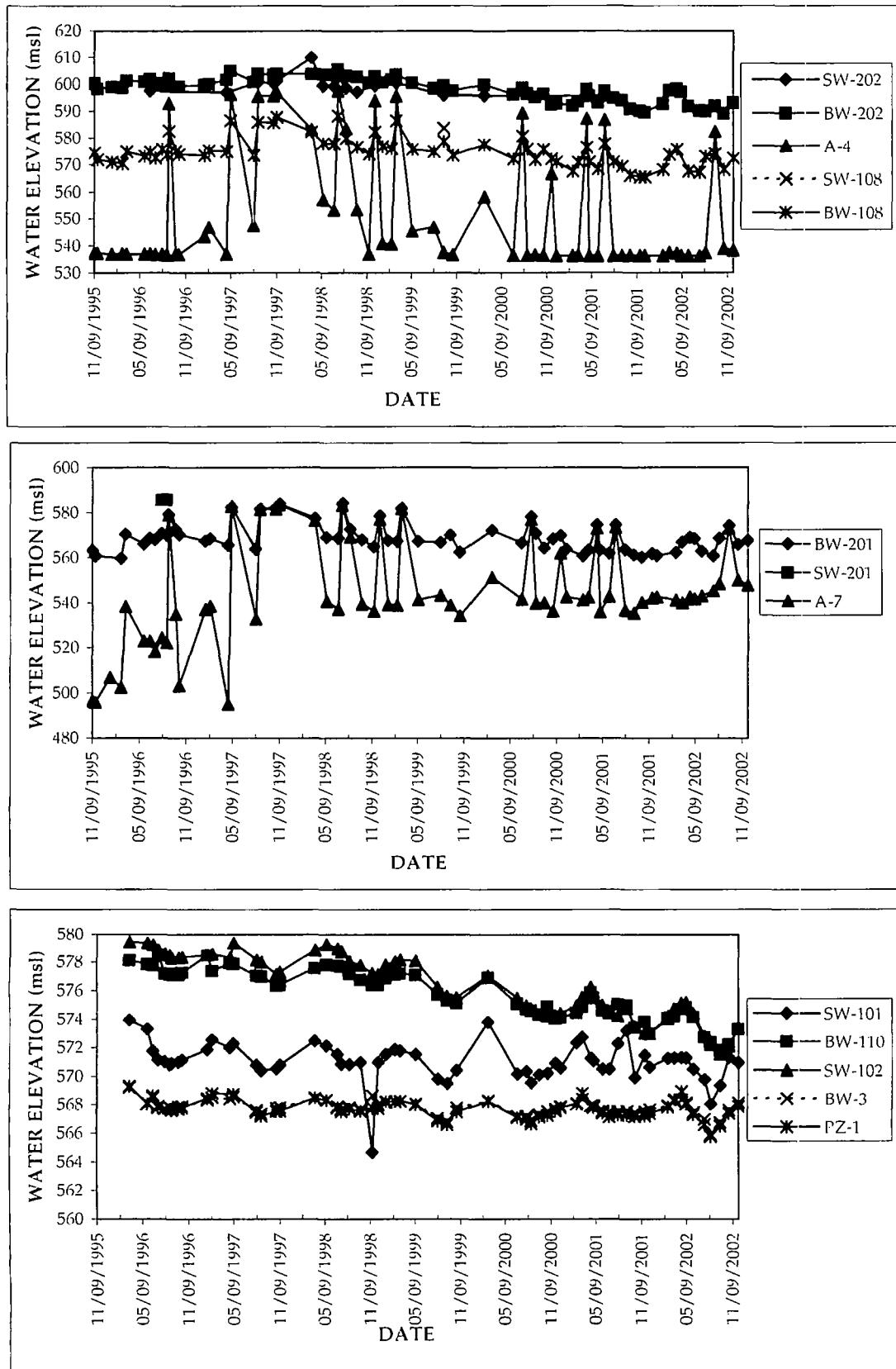
Appendix B

Hydrographs of Groundwater Monitoring and Extraction Wells

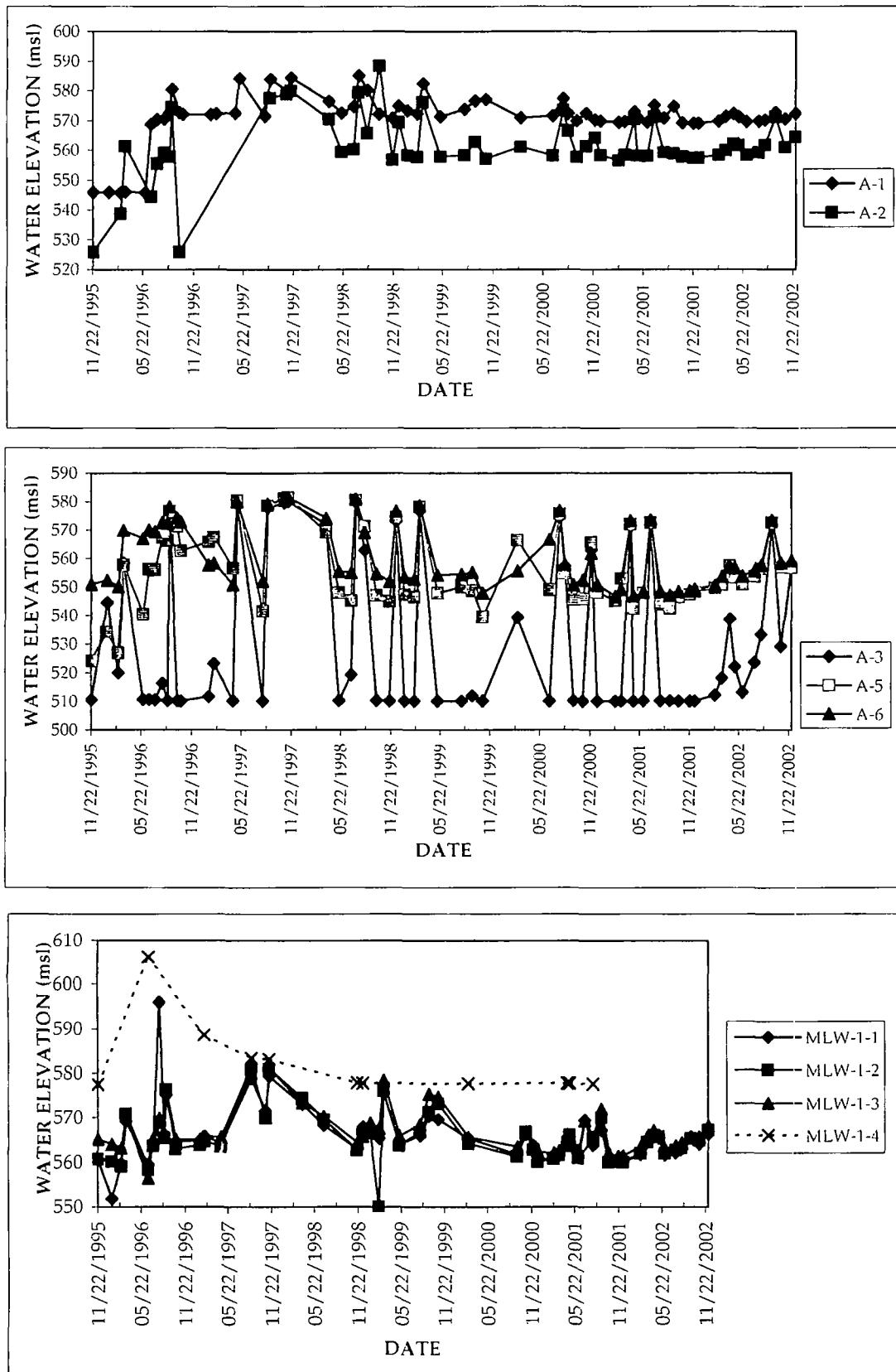
Hydrographs of Monitoring and Recovery Wells



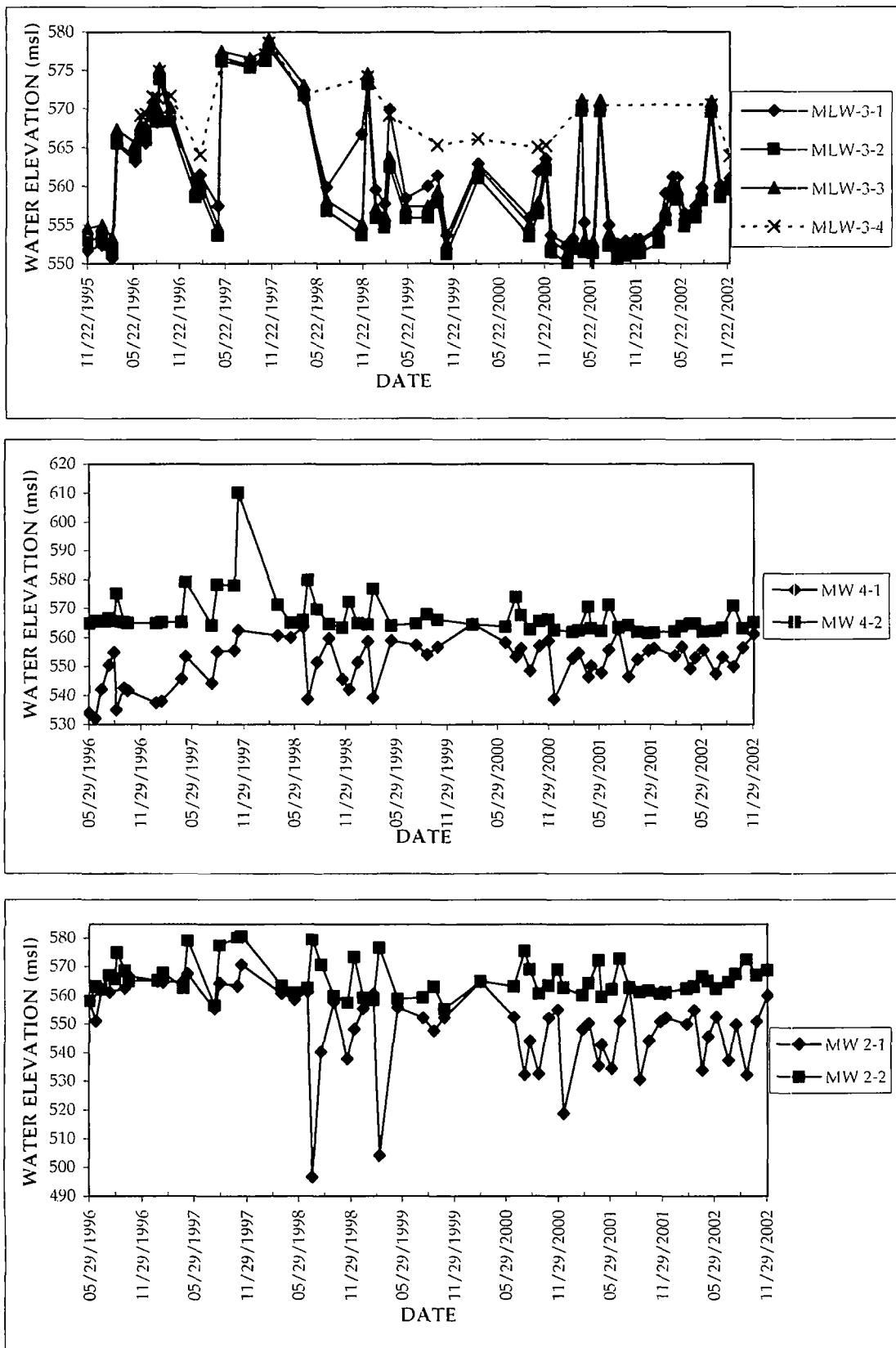
Hydrographs of Monitoring and Recovery Wells



Hydrographs of Monitoring and Recovery Wells



Hydrographs of Monitoring and Recovery Wells



Appendix C

Summary of NPDES Results



*Integrated
Environmental
Solutions*

100 Verdae Blvd. 29607-3825
P.O. Box 16778 29606-6778
Greenville, SC
Telephone: 864-281-0030
Fax: 864-281-0288

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

February 12, 2002

S. C. Department of Health and Environmental Control
Attn.: BWPC/Enforcement Section
2600 Bull Street
Columbia, South Carolina 29201

Reference: NPDES Permit No. SC0046469
Medley Farm NPL Site
Cherokee County

Subject: Transmittal of NPDES Discharge Monitoring Report
January 2002

Dear Sir or Madam:

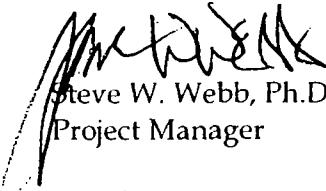
Attached are two copies of the Discharge Monitoring Report for Pipe 001 1 at the Medley Farm NPL Site. There were no permit exceptions for the monitoring period.

During the month, we experienced electronic problems with the effluent flow totalizer. The unit has been removed and a replacement has been ordered. Per our discussion with Butch Swygert, we have been granted permission to continue running the treatment system and are reporting instantaneous flow measurements only.

If there are any questions, please contact me at (864) 234-9363.

Sincerely,

RMT, Inc.



Steve W. Webb, Ph.D., P.E.
Project Manager

Attachment

cc: Sheri Cresswell - US EPA Region IV
C. W. Swygert - SC DHEC
Medley Farm Site Steering Committee
Jeff Friend, Neal Dunlap, File 938.89(c) - RMT

DISCHARGE MONITORING REPORT (DMR)

(2-16)

(17-19)

NAME MEDLEY FARM NPL SITE
ADDRESS P. O. BOX 16778
GREENVILLE, SC 29606

SC0046469

PERMIT NUMBER

001 1

DISCHARGE NUMBER

Form Approved.

OMB No. 2040-0004

Approval expires 05-31-98

FACILITY MEDLEY FARM NPL SITE
LOCATION BURNT GIN ROAD

FROM

MONITORING PERIOD

YEAR

MO

DAY

TO

YEAR

MO

DAY

(20-21)

(22-23)

(24-25)

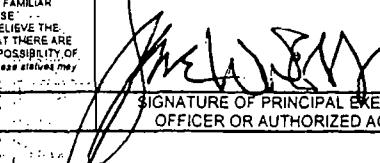
(26-27)

(28-29)

(30-31)

21 A3 FINAL LIMITS
DMR VALID: 10/01/1997 - 08/31/2002

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card only) QUANTITY OR LOADING			(3 Card only) QUALITY OR CONCENTRATION			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE (46-53)	MAXIMUM (54-61)	UNITS	MINIMUM (38-45)	AVERAGE (46-53)	MAXIMUM (54-61)			
00310 LAB ID:32010 BOD - 5 Day (20 Degrees C) MLOC=1	SAMPLE MEASUREMENT	*****	*****	*****	*****	<2	<2	MG/L	0	01/07 GR
	PERMIT REQUIREMENT	*****	*****	*****	*****	10 MO AVG	20 DAILY MX		01/30	GR
00400 LAB ID:32010 pH Standard Units MLOC=1	SAMPLE MEASUREMENT	*****	*****	*****	*****	7.41	*****	SU	0	01/07 GR
	PERMIT REQUIREMENT	*****	*****	*****	*****	6.0 MINIMUM	8.5 MAXIMUM		01/07	GR
32103 LAB ID:32010 1,2-Dichloroethane Whole Water MLOC=1	SAMPLE MEASUREMENT	*****	*****	*****	*****	<0.001	<0.001	MG/L	0	01/07 GR
	PERMIT REQUIREMENT	*****	*****	*****	*****	REPORT MO.AVG	0.028 DAILY MX		02/30	GR
34501 LAB ID:32010 1,1-Dichloroethylene Whole Water MLOC=1	SAMPLE MEASUREMENT	*****	*****	*****	*****	<0.001	<0.001	MG/L	0	01/07 GR
	PERMIT REQUIREMENT	*****	*****	*****	*****	REPORT MO.AVG	0.039 DAILY MX		02/30	GR
50050 LAB ID:ON-SITE Flow in Conduit MLOC=1	SAMPLE MEASUREMENT	0.028	0.045	MGD	*****	*****	*****	*****	0	99/99 RF
	PERMIT REQUIREMENT	REPORT MO.AVG	REPORT DAILY MAX		*****	*****	*****		99/99	RF
78389 LAB ID:32010 Tetrachloroethene MLOC=1	SAMPLE MEASUREMENT	*****	*****	*****	*****	<0.001	<0.001	MG/L	0	01/07 GR
	PERMIT REQUIREMENT	*****	*****	*****	*****	REPORT MO.AVG	0.072 DAILY MX		02/30	GR
78391 LAB ID:32010 Trichloroethene MLOC=1	SAMPLE MEASUREMENT	*****	*****	*****	*****	<0.001	<0.001	MG/L	0	01/07 GR
	PERMIT REQUIREMENT	*****	*****	*****	*****	REPORT MO.AVG	0.028 DAILY MX		02/30	GR
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER		I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN, AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 USC §1001 AND 33 USC § 1319. (Penalties under class states may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)			TELEPHONE			DATE		
Steve W. Webb RMT Project Manager					864	234-9363	02	02	12	
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT			AREA CODE	NUMBER	YEAR	MO	DAY	

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

Flow has been estimated. Refer to transmittal letter.



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100 Verdae Blvd. 29607-3825
P.O. Box 16778 29606-6778
Greenville, SC
Telephone: 864-281-0030
Fax: 864-281-0288

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

March 21, 2002

S. C. Department of Health and Environmental Control
Attn.: BWPC/Enforcement Section
2600 Bull Street
Columbia, South Carolina 29201

Reference: NPDES Permit No. SC0046469
Medley Farm NPL Site
Cherokee County

Subject: Transmittal of NPDES Discharge Monitoring Report
February 2002

Dear Sir or Madam:

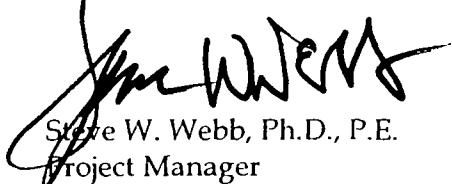
Attached are two copies of the Discharge Monitoring Report for Pipe 001 1 at the Medley Farm NPL Site. There were no permit exceptions for the monitoring period.

In January, we experienced electronic problems with the effluent flow totalizer. The unit was replaced on February 20. Per our discussion with Butch Swygert, we have been granted permission to continue running the treatment system and are reporting instantaneous flow measurements only for days prior to the installation of the replacement unit.

If there are any questions, please contact me at (864) 234-9363.

Sincerely,

RMT, Inc.



Steve W. Webb, Ph.D., P.E.
Project Manager

Attachment

cc: Sheri Cresswell - US EPA Region IV
C. W. Swygert - SC DHEC
Medley Farm Site Steering Committee
[REDACTED] Neal Dunlap, File 71243.11(c) - RMT

DISCHARGE MONITORING REPORT (DMR)

(2-16)

(17-19)

NAME MEDLEY FARM NPL SITE
 ADDRESS P. O. BOX 16778
 GREENVILLE, SC 29606

FACILITY MEDLEY FARM NPL SITE
 LOCATION BURNT GIN ROAD

SC0046469 PERMIT NUMBER	0011 DISCHARGE NUMBER
----------------------------	--------------------------

Form Approved.
 OMB No. 2040-0004
 Approval expires 05-31-98

FROM	MONITORING PERIOD					
	YEAR	MO	DAY	TO	YEAR	MO
	02	02	01		02	02

21 A3 FINAL LIMITS
 DMR VALID: 10/01/1997 - 08/31/2002

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card only) (46-53) QUANTITY OR LOADING (54-61)			(3 Card only) (38-45) QUALITY OR CONCENTRATION (46-53) (54-61)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
00310 LAB ID:32010 BOD - 5 Day (20 Degrees C) MLOC=1	SAMPLE MEASUREMENT	*****	*****	*****	*****	<2	<2	MG/L	0	01/07 GR
	PERMIT REQUIREMENT	*****	*****	*****	*****	10	20		01/30	GR
00400 LAB ID:32010 pH Standard Units MLOC=1	SAMPLE MEASUREMENT	*****	*****	*****	7.41	*****	7.83	SU	0	01/07 GR
	PERMIT REQUIREMENT	*****	*****	*****	6.0	MINIMUM	8.5		01/07	GR
32103 LAB ID:32010 1,2-Dichloroethane Whole Water MLOC=1	SAMPLE MEASUREMENT	*****	*****	*****	*****	<0.001	<0.001	MG/L	0	01/07 GR
	PERMIT REQUIREMENT	*****	*****	*****	*****	REPORT MO AVG	0.028		02/30	GR
34501 LAB ID:32010 1,1-Dichloroethylene Whole Water MLOC=1	SAMPLE MEASUREMENT	*****	*****	*****	*****	<0.001	<0.001	MG/L	0	01/07 GR
	PERMIT REQUIREMENT	*****	*****	*****	*****	REPORT MO AVG	0.039		02/30	GR
50050 LAB ID:ON-SITE Flow in Conduit MLOC=1	SAMPLE MEASUREMENT	0.026	0.031	MGD	*****	*****	*****	*****	0	99/99 RF
	PERMIT REQUIREMENT	REPORT MO AVG	REPORT DAILY MAX		*****	*****	*****		99/99	RF
78389 LAB ID:32010 Tetrachloroethene MLOC=1	SAMPLE MEASUREMENT	*****	*****	*****	*****	<0.001	<0.001	MG/L	0	01/07 GR
	PERMIT REQUIREMENT	*****	*****	*****	*****	REPORT MO AVG	0.072		02/30	GR
78391 LAB ID:32010 Trichloroethene MLOC=1	SAMPLE MEASUREMENT	*****	*****	*****	*****	<0.001	<0.001	MG/L	0	01/07 GR
	PERMIT REQUIREMENT	*****	*****	*****	*****	REPORT MO AVG	0.028		02/30	GR

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

Steve W. Webb
 RMT Project Manager

TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN, AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 16 USC §1001 AND 33 USC §1316. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

AREA CODE

NUMBER

YEAR

MO

DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

Some flow values have been estimated. Refer to transmittal letter.



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100 Verdae Blvd. 29607-3825
P.O. Box 16778 29606-6778
Greenville, SC
Telephone: 864-281-0030
Fax: 864-281-0288

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

April 22, 2002

S. C. Department of Health and Environmental Control
Attn.: BWPC/Enforcement Section
2600 Bull Street
Columbia, South Carolina 29201

Reference: NPDES Permit No. SC0046469
Medley Farm NPL Site
Cherokee County

Subject: Transmittal of NPDES Discharge Monitoring Report
March 2002

Dear Sir or Madam:

Attached are two copies of the Discharge Monitoring Report for Pipe 001 1 at the Medley Farm NPL Site. There were no permit exceptions for the monitoring period.

If there are any questions, please contact me at (864) 234-9363.

Sincerely,

RMT, Inc.

Steve W. Webb, Ph.D., P.E.
Project Manager

Attachment

cc: Sheri Cresswell - US EPA Region IV
C. W. Swygert - SC DHEC
Medley Farm Site Steering Committee
[REDACTED], Neal Dunlap, File 71243.11(c) - RMT

DISCHARGE MONITORING REPORT (DMR)

(2-16)

(17-19)

NAME MEDLEY FARM NPL SITE
 ADDRESS P. O. BOX 16778
 GREENVILLE, SC 29606

SC0046469

001 1

PERMIT NUMBER

DISCHARGE NUMBER

Form Approved.

OMB No. 2040-0004

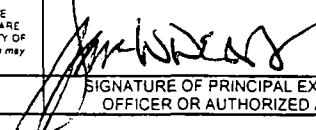
Approval expires 05-31-98

FACILITY
 LOCATION MEDLEY FARM NPL SITE
 BURNT GIN ROAD

FROM	MONITORING PERIOD						
	YEAR	MO	DAY	TO	YEAR	MO	DAY
	02	03	01		02	03	31
	(20-21)	(22-23)	(24-25)	(26-27)	(28-29)	(30-31)	

21 A3 FINAL LIMITS
 DMR VALID: 10/01/1997 - 08/31/2002

NOTE: Read Instructions before completing this form.

PARAMETER (32-37)		(3 Card only) (46-53)			QUANTITY OR LOADING (54-61)			QUALITY OR CONCENTRATION (38-45)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS					
00310 LAB ID:32010 BOD – 5 Day (20 Degrees C) MLOC=1	SAMPLE MEASUREMENT	*****	*****	*****	*****	3.6	8.2				MG/L	0 01/07	GR
	PERMIT REQUIREMENT	*****	*****	*****	*****	10	20	MO AVG	DAILY MX			0 01/30	GR
00400 LAB ID:32010 pH Standard Units MLOC=1	SAMPLE MEASUREMENT	*****	*****	*****	7.50	*****	7.64				SU	0 01/07	GR
	PERMIT REQUIREMENT	*****	*****	*****	6.0	*****	8.5	MINIMUM	MAXIMUM			0 01/07	GR
32103 LAB ID:32010 1,2-Dichloroethane Whole Water MLOC=1	SAMPLE MEASUREMENT	*****	*****	*****	*****	<0.001	<0.001				MG/L	0 01/07	GR
	PERMIT REQUIREMENT	*****	*****	*****	*****	REPORT	0.028	MO AVG	DAILY MX			0 02/30	GR
34501 LAB ID:32010 1,1-Dichloroethylene Whole Water MLOC=1	SAMPLE MEASUREMENT	*****	*****	*****	*****	<0.001	<0.001				MG/L	0 01/07	GR
	PERMIT REQUIREMENT	*****	*****	*****	*****	REPORT	0.039	MO AVG	DAILY MX			0 02/30	GR
50050 LAB ID:ON-SITE Flow in Conduit MLOC=1	SAMPLE MEASUREMENT	0.0325	0.0426								*****	0 99/99	RF
	PERMIT REQUIREMENT	REPORT	REPORT	MO AVG	DAILY MAX							99/99	RF
78389 LAB ID:32010 Tetrachloroethene MLOC=1	SAMPLE MEASUREMENT	*****	*****	*****	*****	<0.001	<0.001				MG/L	0 01/07	GR
	PERMIT REQUIREMENT	*****	*****	*****	*****	REPORT	0.072	MO AVG	DAILY MX			0 02/30	GR
78391 LAB ID:32010 Trichloroethene MLOC=1	SAMPLE MEASUREMENT	*****	*****	*****	*****	<0.001	<0.001				MG/L	0 01/07	GR
	PERMIT REQUIREMENT	*****	*****	*****	*****	REPORT	0.028	MO AVG	DAILY MX			0 02/30	GR
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER		TELEPHONE						DATE					
Steve W. Webb RMT Project Manager								864	234-9363	02	04	22	
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT						AREA CODE	NUMBER	YEAR	MO	DAY	

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

Maximum reported BOD value may be the result of laboratory error.



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100 Verdae Blvd. 29607-3825
P.O. Box 16778 29606-6778
Greenville, SC
Telephone: 864-281-0030
Fax: 864-281-0288

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

April 26, 2002

S. C. Department of Health and Environmental Control
Attn.: BWPC/Enforcement Section
2600 Bull Street
Columbia, South Carolina 29201

Reference: NPDES Permit No. SC0046469
Medley Farm NPL Site
Cherokee County

Subject: Transmittal of NPDES Discharge Monitoring Report
First Quarter 2002 Toxicity Test Results

Dear Sir or Madam:

Attached are two copies of the Discharge Monitoring Report for Pipe 001 2 at the Medley Farm NPL Site. Two serial dilution tests were conducted during the monitoring period. Results for the control and 41.5 percent treatment are presented on DHEC Form 3420. There were no permit exceptions for the monitoring period.

If there are any questions, please contact me at (864) 234-9363.

Sincerely,

RMT, Inc.

Steve W. Webb, Ph.D., P.E.
Project Manager

Attachment

cc: Sheri Cresswell - US EPA Region IV
C. W. Swygert - SC DHEC
Medley Farm Site Steering Committee
Jeff Friend, Neal Dunlap, File 71243.11(c) - RMT

NAME / ADDRESS
Facility Name/Location if different)DISCHARGE MONITORING REPORT (DMR)
(2-16) (17-19)NAME MEDLEY FARM NPL SITE
ADDRESS P. O. Box 16778
GREENVILLE, SC 29606

SC00046469

PERMIT NUMBER

001 2

DISCHARGE NUMBER

Form Approved.

OMB No. 2040-0004

Approval expires 05-31-98

FACILITY LOCATION MEDLEY FARM NPL SITE
BURNT GIN ROAD

FROM

MONITORING PERIOD

YEAR

MO

DAY

TO

YEAR

MO

DAY

02

01

01

02

03

31

(20-21)

(22-23)

(24-25)

(26-27)

(28-29)

(30-31)

21 A3 FINAL LIMITS

DMR VALID: 10/01/1997 - 08/31/2002

NOTE: Read Instructions before completing this form.

PARAMETER (32-37)		(3 Card only) (46-53)			QUANTITY OR LOADING (54-61)			(3 Card only) (38-45)			QUALITY OR CONCENTRATION (46-53) (54-61)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS								
TGP3B LAB ID:32566 7 Day Chronic Static Toxicity C. Dubia PF MLOC=1	SAMPLE MEASUREMENT	*****	*****	*****	*****	*****	*****	*****	0					0	02/90	GR
	PERMIT REQUIREMENT	*****	*****	*****	*****	*****	*****	*****	0	DAILY MX				0=Pass 1=Fail	01/90	GR
	SAMPLE MEASUREMENT															
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DMR Attachment for Toxicity Test Results. Bureau of Water.

MEDLEY FARMS NPL SITE Permit number SC0046469 Discharge number 0012
 Final Limits 10/01/1997-08/31/2002 Parameter Code TGP3B MLOC=1 IWC=41.50% effluent.

Monitoring period	Year	Month	Day	Year	Month	Day	
From	02	01	01	To	02	03	31

Date	Lab ID	All tests				Chronic tests only		
		Group	# Adults	# Dead	Pass/Fail	Average	Variance	Pass/Fail
020211	32566	Control	10	0	PASS	27.3	51.6	PASS
		Test	10	0		25.1	114	

Date	Lab ID	All tests				Chronic tests only		
		Group	# Adults	# Dead	Pass/Fail	Average	Variance	Pass/Fail
020311	32566	Control	10	0	PASS	25.1	24.3	PASS
		Test	10	0		26.8	5.48	

Date	Lab ID	All tests				Chronic tests only		
		Group	# Adults	# Dead	Pass/Fail	Average	Variance	Pass/Fail
		Control						
		Test						

Date	Lab ID	All tests				Chronic tests only		
		Group	# Adults	# Dead	Pass/Fail	Average	Variance	Pass/Fail
		Control						
		Test						

Date	Lab ID	All tests				Chronic tests only		
		Group	# Adults	# Dead	Pass/Fail	Average	Variance	Pass/Fail
		Control						
		Test						

Date	Lab ID	All tests				Chronic tests only		
		Group	# Adults	# Dead	Pass/Fail	Average	Variance	Pass/Fail
		Control						
		Test						

Signature of Principal Executive Officer or Authorized Agent

Name/Title of Principal Executive Officer (typed or printed)



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100 Verdae Blvd. 29607-3825
P.O. Box 16778 29606-6778
Greenville, SC
Telephone: 864-281-0030
Fax: 864-281-0288

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

May 22, 2002

S. C. Department of Health and Environmental Control
Attn.: BWPC/Enforcement Section
2600 Bull Street
Columbia, South Carolina 29201

Reference: NPDES Permit No. SC0046469
Medley Farm NPL Site
Cherokee County

Subject: Transmittal of NPDES Discharge Monitoring Report
April 2002

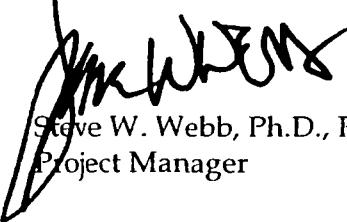
Dear Sir or Madam:

Attached are two copies of the Discharge Monitoring Report for Pipe 001 1 at the Medley Farm NPL Site. There were no permit exceptions for the monitoring period. During the month, the computer did not properly record four values from the flow transmitter. Estimates of the totalized flows were used to calculate the monthly average flow. RMT does not believe that the maximum flow for the month occurred during this period.

If there are any questions, please contact me at (864) 234-9363.

Sincerely,

RMT, Inc.



Steve W. Webb, Ph.D., P.E.
Project Manager

Attachment

cc: Sheri Cresswell - US EPA Region IV
C. W. Swygert - SC DHEC
Medley Farm Site Steering Committee
Jeff Friend, Neal Dunlap, File 71243.11(c) - RMT

ENVIRONMENTAL PROTECTION AGENCY
DISCHARGE MONITORING REPORT

(2-16)

(17-19)

NAME MEDLEY FARM NPL SITE
ADDRESS P. O. BOX 16778
GREENVILLE, SC 29606

SC0046469

001 1

PERMIT NUMBER

DISCHARGE NUMBER

FACILITY
LOCATION MEDLEY FARM NPL SITE
BURNT GIN ROAD

FROM

MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY
02	04	01	02	04	30
(20-21)	(22-23)	(24-25)	(26-27)	(28-29)	(30-31)

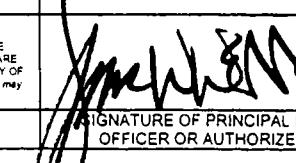
21 A3 FINAL LIMITS
DMR VALID: 10/01/1997 - 08/31/2002

Form Approved.

OMB No. 2040-0004

Approval expires 05-31-98

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card only) (46-53)			QUANTITY OR LOADING (54-61)			(3 Card only) (38-45)			QUALITY OR CONCENTRATION (46-53) (54-61)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)		
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS	REPORT MO AVG	DAILY MX	REPORT MO AVG	DAILY MX	REPORT MO AVG	DAILY MX				
00310 LAB ID:32010 BOD – 5 Day (20 Degrees C) MLOC=1	SAMPLE MEASUREMENT	*****	*****	*****	*****	*****	*****	*****	3.4	7.1	*****	*****	*****	*****	0	01/07	GR	
	PERMIT REQUIREMENT	*****	*****	*****	*****	*****	*****	*****	10	20	*****	*****	*****	*****	*****	01/30	GR	
00400 LAB ID:32010 pH Standard Units MLOC=1	SAMPLE MEASUREMENT	*****	*****	*****	*****	7.33	*****	*****	7.77	*****	*****	*****	*****	*****	0	01/07	GR	
	PERMIT REQUIREMENT	*****	*****	*****	*****	6.0	*****	*****	8.5	*****	*****	*****	*****	*****	*****	01/07	GR	
32103 LAB ID:32010 1,2-Dichloroethane Whole Water MLOC=1	SAMPLE MEASUREMENT	*****	*****	*****	*****	*****	*****	*****	<0.001	<0.001	*****	*****	*****	*****	0	01/07	GR	
	PERMIT REQUIREMENT	*****	*****	*****	*****	*****	*****	*****	REPORT MO AVG	0.028	*****	*****	*****	*****	*****	02/30	GR	
34501 LAB ID:32010 1,1-Dichloroethylene Whole Water MLOC=1	SAMPLE MEASUREMENT	*****	*****	*****	*****	*****	*****	*****	<0.001	<0.001	*****	*****	*****	*****	0	01/07	GR	
	PERMIT REQUIREMENT	*****	*****	*****	*****	*****	*****	*****	REPORT MO AVG	0.039	*****	*****	*****	*****	*****	02/30	GR	
50050 LAB ID:ON-SITE Flow in Conduit MLOC=1	SAMPLE MEASUREMENT	0.0291	0.0436	MGD	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	0	99/99	RF
	PERMIT REQUIREMENT	REPORT MO AVG	REPORT DAILY MAX	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	99/99	RF	
78389 LAB ID:32010 Tetrachloroethene MLOC=1	SAMPLE MEASUREMENT	*****	*****	*****	*****	*****	*****	*****	0.0012	0.0022	*****	*****	*****	*****	0	01/07	GR	
	PERMIT REQUIREMENT	*****	*****	*****	*****	*****	*****	*****	REPORT MO AVG	0.072	*****	*****	*****	*****	*****	02/30	GR	
78391 LAB ID:32010 Trichloroethene MLOC=1	SAMPLE MEASUREMENT	*****	*****	*****	*****	*****	*****	*****	0.0019	0.0055	*****	*****	*****	*****	0	01/07	GR	
	PERMIT REQUIREMENT	*****	*****	*****	*****	*****	*****	*****	REPORT MO AVG	0.028	*****	*****	*****	*****	*****	02/30	GR	
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER		I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN, AND BASED ON MY KNOWLEDGE OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 USC §1001 AND 33 USC § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)						TELEPHONE			DATE							
Steve W. Webb RMT Project Manager								864	234-9363	02	05	22						
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT						AREA CODE	NUMBER	YEAR	MO	DAY						

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

Flow recorder error - 4 results estimated. See transmittal letter.



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P.O. Box 16778 29606-6778
Greenville, SC
Telephone: 864-281-0030
Fax: 864-281-0288

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

June 24, 2002

S. C. Department of Health and Environmental Control
Attn.: BWPC/Enforcement Section
2600 Bull Street
Columbia, South Carolina 29201

Reference: NPDES Permit No. SC0046469
Medley Farm NPL Site
Cherokee County

Subject: Transmittal of NPDES Discharge Monitoring Report
May 2002

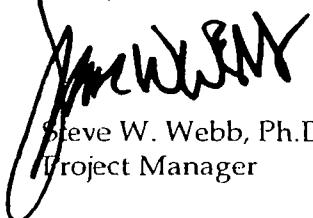
Dear Sir or Madam:

Attached are two copies of the Discharge Monitoring Report for Pipe 001 1 and 001 2 at the Medley Farm NPL Site. There were no permit exceptions for the monitoring period.

If there are any questions, please contact me at (864) 234-9363.

Sincerely,

RMT, Inc.



Steve W. Webb, Ph.D., P.E.
Project Manager

Attachment

cc: Sheri Cresswell - US EPA Region IV
C. W. Swygert - SC DHEC
Medley Farm Site Steering Committee
Jeff Friend, Neal Dunlap, File 71243.11(c) - RMT

NAME MEDLEY FARM NPL SITE
ADDRESS P. O. BOX 16778
GREENVILLE, SC 29606

SC0046469

PERMIT NUMBER

0011

DISCHARGE NUMBER

Form Approved.

OMB No. 2040-0004

Approval expires 05-31-98

FACILITY MEDLEY FARM NPL SITE
LOCATION BURNT GIN ROAD

FROM

MONITORING PERIOD

YEAR

MO

DAY

TO

YEAR

MO

DAY

02

05

01

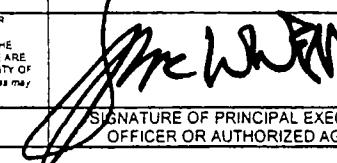
02

05

31

21 A3 FINAL LIMITS
DMR VALID: 10/01/1997 - 08/31/2002

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card only) (46-53)		QUANTITY OR LOADING (54-61)		(3 Card only) (38-45)		QUALITY OR CONCENTRATION (46-53) (54-61)		NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS				
00310 LAB ID:32010 BOD - 5 Day (20 Degrees C) MLOC=1	SAMPLE MEASUREMENT	*****	*****	*****	*****	*****	<2	*****	MG/L	0	01/07	GR
	PERMIT REQUIREMENT	*****	*****	*****	*****	*****	10	20		01/30	01/30	GR
00400 LAB ID:32010 pH Standard Units MLOC=1	SAMPLE MEASUREMENT	*****	*****	*****	7.52	*****	8.17	*****	SU	0	01/07	GR
	PERMIT REQUIREMENT	*****	*****	*****	6.0	*****	8.5	*****		01/07	01/07	GR
32103 LAB ID:32010 1,2-Dichloroethane Whole Water MLOC=1	SAMPLE MEASUREMENT	*****	*****	*****	*****	<0.001	<0.001	*****	MG/L	0	01/07	GR
	PERMIT REQUIREMENT	*****	*****	*****	*****	REPORT MO-AVG	0.028	DAILY MX		02/30	02/30	GR
34501 LAB ID:32010 1,1-Dichloroethylene Whole Water MLOC=1	SAMPLE MEASUREMENT	*****	*****	*****	*****	<0.001	<0.001	*****	MG/L	0	01/07	GR
	PERMIT REQUIREMENT	*****	*****	*****	*****	REPORT MO-AVG	0.039	DAILY MX		02/30	02/30	GR
50050 LAB ID:ON-SITE Flow in Conduit MLOC=1	SAMPLE MEASUREMENT	0.0301	0.0392	MGD	*****	*****	*****	*****	*****	0	99/99	RF
	PERMIT REQUIREMENT	REPORT MO-AVG	REPORT DAILY MAX		*****	*****	*****	*****		99/99	99/99	RF
78389 LAB ID:32010 Tetrachloroethene MLOC=1	SAMPLE MEASUREMENT	*****	*****	*****	*****	<0.001	<0.001	*****	MG/L	0	01/07	GR
	PERMIT REQUIREMENT	*****	*****	*****	*****	REPORT MO-AVG	0.072	DAILY MX		02/30	02/30	GR
78391 LAB ID:32010 Trichloroethene MLOC=1	SAMPLE MEASUREMENT	*****	*****	*****	*****	<0.001	<0.001	*****	MG/L	0	01/07	GR
	PERMIT REQUIREMENT	*****	*****	*****	*****	REPORT MO-AVG	0.028	DAILY MX		02/30	02/30	GR
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER		I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN, AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 USC §1001 AND 33 USC § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years)				TELEPHONE		DATE				
Steve W. Webb RMT Project Manager						864	234-9363	02	06	24		
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT				AREA CODE	NUMBER	YEAR	MO	DAY		
COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)												

Facility Name/Location if different

DISCHARGE MONITORING REPORT (DMR)
(2-16) (17-19)NAME MEDLEY FARM NPL SITE
ADDRESS P. O. Box 16778
GREENVILLE, SC 29606

SC00046469

PERMIT NUMBER

001 2

DISCHARGE NUMBER

Form Approved.

OMB No. 2040-0004

Approval expires 05-31-98

FACILITY LOCATION MEDLEY FARM NPL SITE
BURNT GIN ROAD

FROM

MONITORING PERIOD

YEAR
02
(20-21)MO
05
(22-23)DAY
01
(24-25)TO
02
(26-27)MO
05
(28-29)DAY
31
(30-31)21 A3 FINAL LIMITS
DMR VALID: 10/01/1997 - 08/31/2002

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card only) QUANTITY OR LOADING (46-53) (54-61)			(3 Card only) QUALITY OR CONCENTRATION (38-45) (46-53) (54-61)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
TGP3B LAB ID:32566 7 Day Chronic Static Toxicity C. Dubia PF MLOC=1	SAMPLE MEASUREMENT	*****	*****	*****	*****	*****	0	0	02/90	GR
	PERMIT REQUIREMENT	*****	*****	*****	*****	*****	0	0	01/90	GR
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
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	PERMIT REQUIREMENT									
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER		<i>[Signature]</i>				TELEPHONE		DATE		
Steve W. Webb RMT Project Manager		<i>[Signature]</i>				864 234-9363		02 06 24		
TYPED OR PRINTED						SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		AREA CODE	NUMBER	YEAR MO DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

Chronic toxicity testing IWC = 41.50% effluent

DMR Attachment for Toxicity Test Results. Bureau of Water.

MEDLEY FARMS NPL SITE Permit number SC0046469 Discharge number 0012
 Final Limits 10/01/1997-08/31/2002 Parameter Code TGP3B MLOC=1 IWC=41.50% effluent.

Monitoring period	Year	Month	Day		Year	Month	Day
From	02	04	01	To	02	06	30

Date	Lab ID	All tests				Chronic tests only		
		Group	# Adults	# Dead	Pass/Fail	Average	Variance	Pass/Fail
02 05 13	32566	Control	10	0	PASS	23.5	185	PASS
		Test	10	0		16.3	95.6	

Date	Lab ID	All tests				Chronic tests only		
		Group	# Adults	# Dead	Pass/Fail	Average	Variance	Pass/Fail
02 05 20	32566	Control	10	1	PASS	25.6	166	PASS
		Test	10	1		26.8	132	

Date	Lab ID	All tests				Chronic tests only		
		Group	# Adults	# Dead	Pass/Fail	Average	Variance	Pass/Fail
		Control						
		Test						

Date	Lab ID	All tests				Chronic tests only		
		Group	# Adults	# Dead	Pass/Fail	Average	Variance	Pass/Fail
		Control						
		Test						

Date	Lab ID	All tests				Chronic tests only		
		Group	# Adults	# Dead	Pass/Fail	Average	Variance	Pass/Fail
		Control						
		Test						

Date	Lab ID	All tests				Chronic tests only		
		Group	# Adults	# Dead	Pass/Fail	Average	Variance	Pass/Fail
		Control						
		Test						

Signature of Principal Executive Officer or Authorized Agent

Name/Title of Principal Executive Officer (typed or printed)

Steve W. Webb
RMT Project Manager



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STAFF

100 Verdae Blvd. 29607-3825
P.O. Box 16778 29606-6778
Greenville, SC
Telephone: 864-281-0030
Fax: 864-281-0288

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

July 10, 2002

S. C. Department of Health and Environmental Control
Attn.: BWPC/Enforcement Section
2600 Bull Street
Columbia, South Carolina 29201

Reference: NPDES Permit No. SC0046469
Medley Farm NPL Site
Cherokee County

Subject: Correction to Discharge Monitoring Report
May 2002

Dear Sir or Madam:

Attached are two copies of the corrected Discharge Monitoring Report for 001 2 at the Medley Farm NPL Site.

If there are any questions, please contact me at (864) 234-9363.

Sincerely,

RMT, Inc.



Steve W. Webb, Ph.D., P.E.
Project Manager

Attachment

NAME MEDLEY FARM NPL SITE
ADDRESS P. O. Box 16778
GREENVILLE, SC 29606FACILITY MEDLEY FARM NPL SITE
LOCATION BURNT GIN ROAD

SC00046469	001 2
PERMIT NUMBER	DISCHARGE NUMBER

Form Approved.

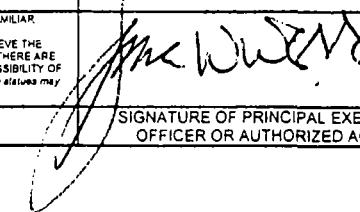
OMB No. 2040-0004

Approval expires 05-31-98

FROM	MONITORING PERIOD					
	YEAR	MO	DAY	TO	YEAR	MO
	02	04	01		02	06
(20-21)	(22-23)	(24-25)	(26-27)	(28-29)	(30-31)	

21 A3 FINAL LIMITS
DMR VALID: 10/01/1997 - 08/31/2002

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card only) QUANTITY OR LOADING (46-53) (54-61)			(3 Card only) QUALITY OR CONCENTRATION (38-45) (46-53) (54-61)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)		
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM				UNITS	
TGP3B LAB ID:32566 7 Day Chronic Static Toxicity C. Dubia PF MLOC=1	SAMPLE MEASUREMENT	*****	*****	*****	*****	*****	0	0	02/90	GR		
	PERMIT REQUIREMENT	*****	*****	*****	*****	*****	0	0	01/90	GR		
	SAMPLE MEASUREMENT											
	PERMIT REQUIREMENT											
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	PERMIT REQUIREMENT											
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER								TELEPHONE	DATE			
Steve W. Webb RMT Project Manager		<p>I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN, AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 USC §1001 AND 33 USC § 1311. (Penalties for these statutes may include fines up to \$10,000 and/or imprisonment of between 5 months and 5 years.)</p> 						864	234-9363	02	07	10
TYPED OR PRINTED								SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE	NUMBER	YEAR	MO

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

Chronic toxicity testing IWC = 41.50% effluent



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P.O. Box 16778 29606-6778
Greenville, SC
Telephone: 864-281-0030
Fax: 864-281-0288

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

July 25, 2002

S. C. Department of Health and Environmental Control
Attn.: BWPC/Enforcement Section
2600 Bull Street
Columbia, South Carolina 29201

Reference: NPDES Permit No. SC0046469
Medley Farm NPL Site
Cherokee County

Subject: Transmittal of NPDES Discharge Monitoring Report
June 2002

Dear Sir or Madam:

Attached are two copies of the Discharge Monitoring Report for Pipe 001 1 and 001 2 at the Medley Farm NPL Site. There were no permit exceptions for the monitoring period. A flow recorder failure occurred during the month resulting in estimated flows being reported for 10 days. We believe that the computer problem that caused the failure has been resolved.

If there are any questions, please contact me at (864) 234-9363.

Sincerely,

RMT, Inc.

Steve W. Webb, Ph.D., P.E.
Project Manager

Attachment

cc: Sheri Cresswell - US EPA Region IV
C. W. Swygert - SC DHEC
Medley Farm Site Steering Committee
 Neal Dunlap, File 71243.11(c) - RMT

PLATEE NAME/ADDRESS
(Facility Name/Location if different)

SCHÄFER MONITORING REPORT/0

12-

27

NAME MEDLEY FARM NPL SITE
ADDRESS P. O. BOX 16778
 GREENVILLE, SC 29606

FACILITY MEDLEY FARM NPL SITE
LOCATION BURNT GIN ROAD

SC0046469	0011						
PERMIT NUMBER	DISCHARGE NUMBER						
MONITORING PERIOD							
FROM	YEAR	MO	DAY	TO	YEAR	MO	DAY
	02	06	01		02	06	30

Form Approved.
OMB No. 2040-0004
Approval expires 05-31-99

21 A3 FINAL LIMITS
DMR VALID: 10/01/1997 - 08/31/2002

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card only) (46-53) QUANTITY OR LOADING (54-61)			(3 Card only) (38-45) QUALITY OR CONCENTRATION (46-53) (54-61)				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)	
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS				
00310 LAB ID:32010 BOD - 5 Day (20 Degrees C) MLOC=1	SAMPLE MEASUREMENT	*****	*****	*****	*****	<2	<2	MG/L	0	01/07	GR	
	PERMIT REQUIREMENT	*****	*****	*****	*****	10 MO AVG	20 DAILY MX			01/30	GR	
00400 LAB ID:32010 pH Standard Units MLOC=1	SAMPLE MEASUREMENT	*****	*****	*****	7.22	*****	7.53	SU	0	01/07	GR	
	PERMIT REQUIREMENT	*****	*****	*****	6.0 MINIMUM	*****	8.5 MAXIMUM			01/07	GR	
32103 LAB ID:32010 1,2-Dichloroethane Whole Water MLOC=1	SAMPLE MEASUREMENT	*****	*****	*****	<0.001	<0.001		MG/L	0	01/07	GR	
	PERMIT REQUIREMENT	*****	*****	*****	REPORT MO AVG	0.028	DAILY MX			02/30	GR	
34501 LAB ID:32010 1,1-Dichloroethylene Whole Water MLOC=1	SAMPLE MEASUREMENT	*****	*****	*****	<0.001	<0.001		MG/L	0	01/07	GR	
	PERMIT REQUIREMENT	*****	*****	*****	REPORT MO AVG	0.039	DAILY MX			02/30	GR	
50050 LAB ID:ON-SITE Flow in Conduit MLOC=1	SAMPLE MEASUREMENT	0.0275	0.0310	MGD	*****	*****	*****	*****	0	99/99	RF	
	PERMIT REQUIREMENT	REPORT MO AVG	REPORT DAILY MAX		*****	*****	*****			99/99	RF	
78389 LAB ID:32010 Tetrachloroethene MLOC=1	SAMPLE MEASUREMENT	*****	*****	*****	<0.001	<0.001		MG/L	0	01/07	GR	
	PERMIT REQUIREMENT	*****	*****	*****	REPORT MO AVG	0.072	DAILY MX			02/30	GR	
78391 LAB ID:32010 Trichloroethene MLOC=1	SAMPLE MEASUREMENT	*****	*****	*****	<0.001	<0.001		MG/L	0	01/07	GR	
	PERMIT REQUIREMENT	*****	*****	*****	REPORT MO AVG	0.028	DAILY MX			02/30	GR	
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER								TELEPHONE		DATE		
Steve W. Webb RMT Project Manager		I CERTIFY UNDER PENALTY OF PERJURY THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN, AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS WHO ARE RESPONSIBLE FOR THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 USC §1001 AND 33 USC § 1316. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 5 months and 5 years.)						864	234-9363	02	07	25
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT				AREA CODE	NUMBER	YEAR	MO	DAY		

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

Flow recorder error: see transmittal letter

EPA Form 3320-1 (Rev. 08-95) Previous editions may be used.

EFRA Form 5520-1 (Rev. 08-99) Previous editions may be used.



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Greenville, SC
Telephone: 864-281-0030
Fax: 864-281-0288

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

August 21, 2002

S. C. Department of Health and Environmental Control
Attn.: BWPC/Enforcement Section
2600 Bull Street
Columbia, South Carolina 29201

Reference: NPDES Permit No. SC0046469
Medley Farm NPL Site
Cherokee County

Subject: Transmittal of NPDES Discharge Monitoring Report
July 2002

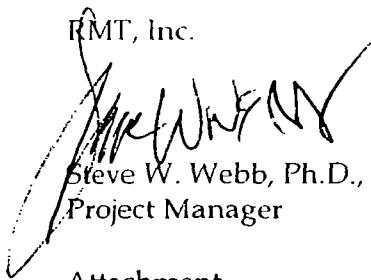
Dear Sir or Madam:

Attached are two copies of the Discharge Monitoring Report for Pipe 001 1 at the Medley Farm NPL Site. There were no permit exceptions for the monitoring period.

If there are any questions, please contact me at (864) 234-9363.

Sincerely,

RMT, Inc.



Steve W. Webb, Ph.D., P.E.
Project Manager

Attachment

cc: Sheri Cresswell - US EPA Region IV
C. W. Swygert - SC DHEC
Medley Farm Site Steering Committee
Jeff Friend, Neal Dunlap, File 71243.11(c) - RMT

PE[RE]SONE NAME/ADDRESS
Facility Name/Location if different)

DISCHARGE MONITORING REPORT (DMR)

(2-16)

(17-19)

NAME MEDLEY FARM NPL SITE
ADDRESS P. O. BOX 16778
GREENVILLE, SC 29606

SC0046469

001 1

PERMIT NUMBER

DISCHARGE NUMBER

Form Approved.

OMB No. 2040-0004

Approval expires 05-31-98

FACILITY LOCATION MEDLEY FARM NPL SITE
BURNT GIN ROAD

FROM	MONITORING PERIOD						
	YEAR	MO	DAY	TO	YEAR	MO	DAY
	02	07	01		02	07	31
	(20-21)	(22-23)	(24-25)	(26-27)	(28-29)	(30-31)	

21 A3 FINAL LIMITS
DMR VALID: 10/01/1997 - 08/31/2002

NOTE: Read Instructions before completing this form.

PARAMETER (32-37)		(3 Card only) QUANTITY OR LOADING (46-53) (54-61)			(3 Card only) QUALITY OR CONCENTRATION (38-45) (46-53) (54-61)			NO. EX (52-53)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)	
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM				
00310 LAB ID:32010 BOD - 5 Day (20 Degrees C) MLOC=1	SAMPLE MEASUREMENT	*****	*****	*****	*****	<2	<2	MG/L	0	01/07 GR	
	PERMIT REQUIREMENT	*****	*****	*****	*****	10	20		01/30	GR	
00400 LAB ID:32010 pH Standard Units MLOC=1	SAMPLE MEASUREMENT	*****	*****	*****	7.32	*****	7.84	SU	0	01/07 GR	
	PERMIT REQUIREMENT	*****	*****	*****	6.0	*****	8.5		01/07	GR	
32103 LAB ID:32010 1,2-Dichloroethane Whole Water MLOC=1	SAMPLE MEASUREMENT	*****	*****	*****	*****	<0.001	<0.001	MG/L	0	01/07 GR	
	PERMIT REQUIREMENT	*****	*****	*****	*****	REPORT MO AVG	0.028		02/30	GR	
34501 LAB ID:32010 1,1-Dichloroethylene Whole Water MLOC=1	SAMPLE MEASUREMENT	*****	*****	*****	*****	<0.001	<0.001	MG/L	0	01/07 GR	
	PERMIT REQUIREMENT	*****	*****	*****	*****	REPORT MO AVG	0.039		02/30	GR	
50050 LAB ID:ON-SITE Flow in Conduit MLOC=1	SAMPLE MEASUREMENT	0.025	0.030	MGD	*****	*****	*****	*****	0	99/99 RF	
	PERMIT REQUIREMENT	REPORT MO AVG	REPORT DAILY MAX		*****	*****	*****		99/99	RF	
78389 LAB ID:32010 Tetrachloroethene MLOC=1	SAMPLE MEASUREMENT	*****	*****	*****	*****	<0.001	<0.001	MG/L	0	01/07 GR	
	PERMIT REQUIREMENT	*****	*****	*****	*****	REPORT MO AVG	0.072		02/30	GR	
78391 LAB ID:32010 Trichloroethene MLOC=1	SAMPLE MEASUREMENT	*****	*****	*****	*****	<0.001	<0.001	MG/L	0	01/07 GR	
	PERMIT REQUIREMENT	*****	*****	*****	*****	REPORT MO AVG	0.028		02/30	GR	
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER								TELEPHONE	DATE		
Steve W. Webb RMT Project Manager		I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION CONTAINED HEREIN AND BASED ON MY KNOWLEDGE OF THESE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 USC §1001 AND 33 USC § 1318. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)						864 234-9363	02	08	21
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT						AREA CODE	NUMBER	YEAR MO DAY	

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)



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Greenville, SC
Telephone: 864-281-0030
Fax: 864-281-0288

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

September 23, 2002

S. C. Department of Health and Environmental Control
Attn.: BWPC/Enforcement Section
2600 Bull Street
Columbia, South Carolina 29201

Reference: NPDES Permit No. SC0046469
Medley Farm NPL Site
Cherokee County

Subject: Transmittal of NPDES Discharge Monitoring Report
August 2002

Dear Sir or Madam:

Attached are two copies of the Discharge Monitoring Report for Pipe 001 1 and 001 2 at the Medley Farm NPL Site. There were no permit exceptions for the monitoring period.

If there are any questions, please contact me at (864) 234-9363.

Sincerely,

RMT, Inc.

Steve W. Webb, Ph.D., P.E.
Project Manager

Attachment

cc: Sheri Cresswell - US EPA Region IV
C. W. Swygert - SC DHEC
Medley Farm Site Steering Committee
Jeff Friend, Neal Dunlap, File 71243.11(c) - RMT

NAME MEDLEY FARM NPL SITE
 ADDRESS P. O. BOX 16778
 GREENVILLE, SC 29606

SC0046469

0011

PERMIT NUMBER

DISCHARGE NUMBER

Form Approved.

OMB No. 2040-0004

Approval expires 05-31-98

FACILITY MEDLEY FARM NPL SITE
 LOCATION BURNT GIN ROAD

FROM

MONITORING PERIOD

YEAR

MO

DAY

TO

YEAR

MO

DAY

02

08

01

02

08

31

(20-21)

(22-23)

(24-25)

(26-27)

(28-29)

(30-31)

21 A3 FINAL LIMITS
 DMR VALID: 10/01/1997 - 08/31/2002

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card only) (46-53)			QUANTITY OR LOADING (54-61)			(3 Card only) (38-45)			QUALITY OR CONCENTRATION (46-53) (54-61)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)				
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS	REPORT	MO.AVG	DAILY MX	REPORT	MO.AVG	DAILY MX						
00310 LAB ID:32010 BOD - 5 Day (20 Degrees C) MLOC=1	SAMPLE MEASUREMENT	*****	*****	*****	*****	*****	*****	*****	<2	<2		REPORT	MO.AVG	DAILY MX	MG/L	0	01/07	GR		
	PERMIT REQUIREMENT	*****	*****	*****	*****	*****	*****	*****	10	20										
00400 LAB ID:32010 pH Standard Units MLOC=1	SAMPLE MEASUREMENT	*****	*****	*****	*****	7.58	*****	*****	*****	8.14		REPORT	MO.AVG	DAILY MX	SU	0	01/07	GR		
	PERMIT REQUIREMENT	*****	*****	*****	*****	6.0	*****	*****	*****	8.15	*****									
32103 LAB ID:32010 1,2-Dichloroethane Whole Water MLOC=1	SAMPLE MEASUREMENT	*****	*****	*****	*****	*****	*****	*****	<0.001	<0.001		REPORT	MO.AVG	DAILY MX	MG/L	0	01/07	GR		
	PERMIT REQUIREMENT	*****	*****	*****	*****	*****	*****	*****	*****	0.028	*****									
34501 LAB ID:32010 1,1-Dichloroethylene Whole Water MLOC=1	SAMPLE MEASUREMENT	*****	*****	*****	*****	*****	*****	*****	<0.001	<0.001		REPORT	MO.AVG	DAILY MX	MG/L	0	01/07	GR		
	PERMIT REQUIREMENT	*****	*****	*****	*****	*****	*****	*****	*****	0.039	*****									
50050 LAB ID:ON-SITE Flow in Conduit MLOC=1	SAMPLE MEASUREMENT	0.0172	0.0347	MGD	*****	*****	*****	*****	*****	*****	*****	REPORT	MO.AVG	DAILY MX	*****	0	99/99	RF		
	PERMIT REQUIREMENT	REPORT	REPORT		*****	*****	*****	*****	*****	*****	*****									
78389 LAB ID:32010 Tetrachloroethene MLOC=1	SAMPLE MEASUREMENT	*****	*****	*****	*****	*****	*****	*****	<0.001	<0.001		REPORT	MO.AVG	DAILY MX	MG/L	0	01/07	GR		
	PERMIT REQUIREMENT	*****	*****	*****	*****	*****	*****	*****	*****	0.072	*****									
78391 LAB ID:32010 Trichloroethene MLOC=1	SAMPLE MEASUREMENT	*****	*****	*****	*****	*****	*****	*****	<0.001	<0.001		REPORT	MO.AVG	DAILY MX	MG/L	0	01/07	GR		
	PERMIT REQUIREMENT	*****	*****	*****	*****	*****	*****	*****	*****	0.028	*****									
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER		I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN, AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 16 USC §1001 AND 33 USC § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 5 months and 5 years.)												TELEPHONE	DATE					
Steve W. Webb RMT Project Manager														864 234-9363	02	09	23			
TYPED OR PRINTED								SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT						AREA CODE	NUMBER	YEAR	MO	DAY		
COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)																				

PERMITTING NAME/ADDRESS (
(Facility Name/Location if different)

**POLLUTION DISCHARGE MONITORING SYSTEM
DISCHARGE MONITORING REPORT (DMR)**

NAME MEDLEY FARM NPL SITE
ADDRESS P. O. Box 16778
GREENVILLE, SC 29606

SC00046469

PERMIT NUMBER

0

DISCHARGE NUMBER

Form Approved

OMB No. 2040-0004

Approval expires 05-31-98

FINAL LIMITS
VALID: 10/01/1997 - 08/31/2002

21 A3 FINAL LIMITS
DMR VALID: 10/01/1997 - 08/31/2002

NOTE: Read Instructions before completing this form.

FACILITY LOCATION MEDLEY FARM NPL SITE
BURNED GIN ROAD

MONITORING PERIOD							
FROM	YEAR	MO	DAY	TO	YEAR	MO	DAY
	02	07	01		02	09	30

21 A3 FINAL LIMITS
DMR VALID: 10/01/1997 - 08/31/2002

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

I CERTIFY UNDER PENALTY OF PERJURY THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN, AND BASED ON MY INQUIRY ON THOSE INDIVIDUALS IMMEDIATELY RELATED TO THE SUBMITTED INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 USC § 1001 AND 33 USC § 1319. (Penalties under these statutes include fines up to \$30,000 and/or maximum imprisonment of between 6 months and 3 years).

TELEPHONE	DATE
-----------	------

Steve W. Webb
RMT Project Manager

TYPED OR PRINTED

**SIGNATURE OF PRINCIPAL EXECUTIVE
OFFICER OR AUTHORIZED AGENT**

AREA CODE	NUMBER	YEAR	MO	DAY
-----------	--------	------	----	-----

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

Chronic toxicity testing IWC = 41.50% effluent

DMR Attachment for Toxicity Test Results. Bureau of Water.

MEDLEY FARMS NPL SITE Permit number SC0046469 Discharge number 0012
 Final Limits 10/01/1997-08/31/2002 Parameter Code TGP3B MLOC=1 IWC=41.50% effluent.

Monitoring period	Year	Month	Day		Year	Month	Day
	From	02	07		To	02	09

All tests				Chronic tests only			
Date	Group	# Adults	# Dead	Pass/Fail	Average	Variance	Pass/Fail
<u>02 08 12</u>	Control	10	1	PASS	30.8	48.8	PASS
<u>Lab ID 32566</u>	Test	10	1		24.3	134	
All tests				Chronic tests only			
Date	Group	# Adults	# Dead	Pass/Fail	Average	Variance	Pass/Fail
	Control						
	Test						
All tests				Chronic tests only			
Date	Group	# Adults	# Dead	Pass/Fail	Average	Variance	Pass/Fail
	Control						
	Test						
All tests				Chronic tests only			
Date	Group	# Adults	# Dead	Pass/Fail	Average	Variance	Pass/Fail
	Control						
	Test						
All tests				Chronic tests only			
Date	Group	# Adults	# Dead	Pass/Fail	Average	Variance	Pass/Fail
	Control						
	Test						
All tests				Chronic tests only			
Date	Group	# Adults	# Dead	Pass/Fail	Average	Variance	Pass/Fail
	Control						
	Test						
All tests				Chronic tests only			
Date	Group	# Adults	# Dead	Pass/Fail	Average	Variance	Pass/Fail
	Control						
	Test						

Signature of Principal Executive Officer or Authorized Agent

Name/Title of Principal Executive Officer (typed or printed)

Steve W. Webb
 RMT Project Manager



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P.O. Box 16778 29606-6778
Greenville, SC
Telephone: 864-281-0030
Fax: 864-281-0288

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

October 28, 2002

S. C. Department of Health and Environmental Control
Attn.: BWPC/Enforcement Section
2600 Bull Street
Columbia, South Carolina 29201

Reference: NPDES Permit No. SC0046469
Medley Farm NPL Site
Cherokee County

Subject: Transmittal of NPDES Discharge Monitoring Report
September 2002

Dear Sir or Madam:

Attached are two copies of the Discharge Monitoring Report for Pipe 001 1 at the Medley Farm NPL Site. There were no permit exceptions for the monitoring period. Effluent flows were estimated on three days because of a computer error.

If there are any questions, please contact me at (864) 234-9363.

Sincerely,

RMT, Inc.

Steve W. Webb, Ph.D., P.E.
Project Manager

Attachment

cc: Sheri Cresswell - US EPA Region IV
C. W. Swygert - SC DHEC
Medley Farm Site Steering Committee
Jeff Friend, Neal Dunlap, File 71243.11(c) - RMT

DISCHARGE MONITORING REPORT (DMR)

(2-16)

(17-19)

NAME MEDLEY FARM NPL SITE
ADDRESS P. O. BOX 16778
GREENVILLE, SC 29606

SC0046469

PERMIT NUMBER

001 1

DISCHARGE NUMBER

Form Approved.

OMB No. 2040-0004

Approval expires 05-31-98

FACILITY MEDLEY FARM NPL SITE
LOCATION BURNT GIN ROAD

FROM

MONITORING PERIOD

YEAR

MO

DAY

TO

YEAR

MO

DAY

02

09

01

02

09

30

(20-21)

(22-23)

(24-25)

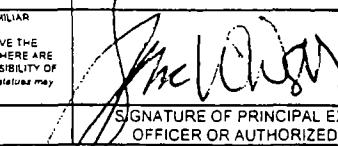
(26-27)

(28-29)

(30-31)

21 A3 FINAL LIMITS
DMR VALID: 10/01/1997 - 08/31/2002

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	(3 Card only) QUANTITY OR LOADING (46-53) (54-61)			(3 Card only) QUALITY OR CONCENTRATION (38-45) (46-53) (54-61)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)	
	AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM				
00310 LAB ID:32010 BOD - 5 Day (20 Degrees C) MLOC=1	SAMPLE MEASUREMENT	*****	*****	*****	<2	<2	MG/L	0	01/07 GR	
	PERMIT REQUIREMENT	*****	*****	*****	10	20		01/30	GR	
00400 LAB ID:32010 pH Standard Units MLOC=1	SAMPLE MEASUREMENT	*****	*****	7.50	*****	7.81	SU	0	01/07 GR	
	PERMIT REQUIREMENT	*****	*****	6.0	*****	8.0		01/07	GR	
32103 LAB ID:32010 1,2-Dichloroethane Whole Water MLOC=1	SAMPLE MEASUREMENT	*****	*****	*****	<0.001	<0.001	MG/L	0	01/07 GR	
	PERMIT REQUIREMENT	*****	*****	*****	REPORT MO AVG	0.028		02/30	GR	
34501 LAB ID:32010 1,1-Dichloroethylene Whole Water MLOC=1	SAMPLE MEASUREMENT	*****	*****	*****	<0.001	<0.001	MG/L	0	01/07 GR	
	PERMIT REQUIREMENT	*****	*****	*****	REPORT MO AVG	0.039		02/30	GR	
50050 LAB ID:ON-SITE Flow in Conduit MLOC=1	SAMPLE MEASUREMENT	0.018	0.030	MGD	*****	*****	*****	0	99/99 RF	
	PERMIT REQUIREMENT	REPORT MO AVG	REPORT DAILY MAX		*****	*****		99/99	RF	
78389 LAB ID:32010 Tetrachloroethene MLOC=1	SAMPLE MEASUREMENT	*****	*****	*****	<0.001	<0.001	MG/L	0	01/07 GR	
	PERMIT REQUIREMENT	*****	*****	*****	REPORT MO AVG	0.072		02/30	GR	
78391 LAB ID:32010 Trichloroethene MLOC=1	SAMPLE MEASUREMENT	*****	*****	*****	<0.001	<0.001	MG/L	0	01/07 GR	
	PERMIT REQUIREMENT	*****	*****	*****	REPORT MO AVG	0.028		02/30	GR	
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER		TELEPHONE				DATE				
Steve W. Webb RMT Project Manager						864	234-9363	02	10	28
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT				AREA CODE	NUMBER	YEAR	MO	DAY
COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)										



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P.O. Box 16778 29606-6778
Greenville, SC
Telephone: 864-281-0030
Fax: 864-281-0288

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

November 18, 2002

S. C. Department of Health and Environmental Control
Attn.: BWPC/Enforcement Section
2600 Bull Street
Columbia, South Carolina 29201

Reference: NPDES Permit No. SC0046469
Medley Farm NPL Site
Cherokee County

Subject: Transmittal of NPDES Discharge Monitoring Report
October 2002

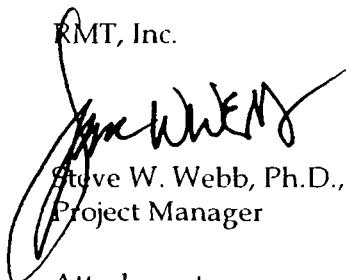
Dear Sir or Madam:

Attached are two copies of the Discharge Monitoring Report for Pipe 001 1 at the Medley Farm NPL Site. There were no permit exceptions for the monitoring period.

If there are any questions, please contact me at (864) 234-9363.

Sincerely,

RMT, Inc.



Steve W. Webb, Ph.D., P.E.
Project Manager

Attachment

cc: Sheri Cresswell - US EPA Region IV
C. W. Swygert - SC DHEC
Medley Farm Site Steering Committee
Jeff Friend, Neal Dunlap, File 71243.11(c) - RMT

(2-16)

(17-19)

NAME MEDLEY FARM NPL SITE
 ADDRESS P. O. BOX 16778
 GREENVILLE, SC 29606

SC0046469

0011

PERMIT NUMBER

DISCHARGE NUMBER

Form Approved.

OMB No. 2040-0004

Approval expires 05-31-98

FACILITY
 LOCATION MEDLEY FARM NPL SITE
 BURNT GIN ROAD

FROM

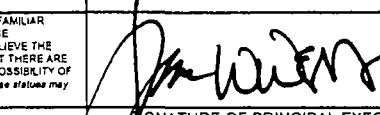
MONITORING PERIOD

YEAR	MO	DAY	TO	YEAR	MO	DAY
02	10	01		02	10	31

(20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

21 A3 FINAL LIMITS
 DMR VALID: 10/01/1997 - 08/31/2002

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	(3 Card only) QUANTITY OR LOADING (46-53)			(3 Card only) QUALITY OR CONCENTRATION (38-45)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)		
	AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM				UNITS	
00310 LAB ID:32010 BOD - 5 Day (20 Degrees C) MLOC=1	SAMPLE MEASUREMENT	***** *****	***** *****	***** *****	<2	<2	MG/L	0	01/07	GR	
	PERMIT REQUIREMENT	***** *****	***** *****	***** *****	10 MO AVG	20 DAILY MX			01/30	01/30	GR
00400 LAB ID:32010 pH Standard Units MLOC=1	SAMPLE MEASUREMENT	***** *****	***** *****	***** *****	7.50	7.80	SU	0	01/07	GR	
	PERMIT REQUIREMENT	***** *****	***** *****	***** *****	6.0 MINIMUM	8.5 MAXIMUM			01/07	01/07	GR
32103 LAB ID:32010 1,2-Dichloroethane Whole Water MLOC=1	SAMPLE MEASUREMENT	***** *****	***** *****	***** *****	<0.001	<0.001	MG/L	0	01/07	GR	
	PERMIT REQUIREMENT	***** *****	***** *****	***** *****	REPORT MO AVG	0.028 DAILY MX			02/30	02/30	GR
34501 LAB ID:32010 1,1-Dichloroethylene Whole Water MLOC=1	SAMPLE MEASUREMENT	***** *****	***** *****	***** *****	<0.001	<0.001	MG/L	0	01/07	GR	
	PERMIT REQUIREMENT	***** *****	***** *****	***** *****	REPORT MO AVG	0.039 DAILY MX			02/30	02/30	GR
50050 LAB ID:ON-SITE Flow in Conduit MLOC=1	SAMPLE MEASUREMENT	0.0253	0.0355	MGD	***** *****	***** *****	***** *****	0	99/99	RF	
	PERMIT REQUIREMENT	REPORT MO AVG	REPORT DAILY MAX		***** *****	***** *****					***** *****
78389 LAB ID:32010 Tetrachloroethene MLOC=1	SAMPLE MEASUREMENT	***** *****	***** *****	***** *****	<0.001	<0.001	MG/L	0	01/07	GR	
	PERMIT REQUIREMENT	***** *****	***** *****	***** *****	REPORT MO AVG	0.072 DAILY MX			02/30	02/30	GR
78391 LAB ID:32010 Trichloroethene MLOC=1	SAMPLE MEASUREMENT	***** *****	***** *****	***** *****	<0.001	<0.001	MG/L	0	01/07	GR	
	PERMIT REQUIREMENT	***** *****	***** *****	***** *****	REPORT MO AVG	0.028 DAILY MX			02/30	02/30	GR
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER				I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN, AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT, SEE 18 USC §1001 AND 33 USC § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)			TELEPHONE		DATE		
Steve W. Webb RMT Project Manager							864	234-9363	02	11	18
TYPED OR PRINTED				SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT			AREA CODE	NUMBER	YEAR	MO	DAY
COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)											



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100 Verdae Blvd. 29607-3825
P.O. Box 16778 29606-6778
Greenville, SC
Telephone: 864-281-0030
Fax: 864-281-0288

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

December 16, 2002

S. C. Department of Health and Environmental Control
Attn.: BWPC/Enforcement Section
2600 Bull Street
Columbia, South Carolina 29201

Reference: NPDES Permit No. SC0046469
Medley Farm NPL Site
Cherokee County

Subject: Transmittal of NPDES Discharge Monitoring Report
November 2002

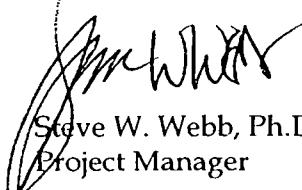
Dear Sir or Madam:

Attached are two copies of the Discharge Monitoring Report for Pipe 001 1 at the Medley Farm NPL Site. There were no permit exceptions for the monitoring period.

If there are any questions, please contact me at (864) 234-9363.

Sincerely,

RMT, Inc.



Steve W. Webb, Ph.D., P.E.
Project Manager

Attachment

cc: Sheri Cresswell - US EPA Region IV
C. W. Swygert - SC DHEC
Medley Farm Site Steering Committee
Jeff Friend, Neal Dunlap, File 71243.11(c) - RMT

NAME MEDLEY FARM NPL SITE
ADDRESS P. O. BOX 16778
GREENVILLE, SC 29606

SC0046469

0011

PERMIT NUMBER

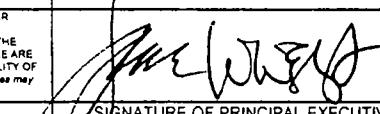
DISCHARGE NUMBER

FACILITY MEDLEY FARM NPL SITE
LOCATION BURNT GIN ROAD

FROM	MONITORING PERIOD					
	YEAR	MO	DAY	TO	YEAR	MO
	02	11	01		02	11
	(20-21)	(22-23)	(24-25)	(26-27)	(28-29)	(30-31)

21 A3 FINAL LIMITS
DMR VALID: 10/01/1997 - 08/31/2002

NOTE: Read Instructions before completing this form.

PARAMETER (32-37)	SAMPLE MEASUREMENT	(3 Card only) (46-53)		QUANTITY OR LOADING (54-61)		(3 Card only) (38-45)			QUALITY OR CONCENTRATION (46-53) (54-61)		NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)	
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS						
00310 LAB ID:32010 BOD - 5 Day (20 Degrees C) MLOC=1	SAMPLE MEASUREMENT	*****	*****	*****	*****	<3	4.9	*****	*****	*****	0	01/07	GR	
	PERMIT REQUIREMENT	*****	*****	*****	*****	*****	*****	*****	*****	*****	MG/L	01/30	GR	
00400 LAB ID:32010 pH Standard Units MLOC=1	SAMPLE MEASUREMENT	*****	*****	*****	6.84	*****	7.66	*****	*****	*****	0	01/07	GR	
	PERMIT REQUIREMENT	*****	*****	*****	6.0	*****	8.5	*****	*****	*****	SU	01/07	GR	
32103 LAB ID:32010 1,2-Dichloroethane Whole Water MLOC=1	SAMPLE MEASUREMENT	*****	*****	*****	*****	<0.001	<0.001	*****	*****	*****	0	01/07	GR	
	PERMIT REQUIREMENT	*****	*****	*****	*****	*****	*****	*****	*****	*****	MG/L	02/30	GR	
34501 LAB ID:32010 1,1-Dichloroethylene Whole Water MLOC=1	SAMPLE MEASUREMENT	*****	*****	*****	*****	<0.001	<0.001	*****	*****	*****	0	01/07	GR	
	PERMIT REQUIREMENT	*****	*****	*****	*****	*****	*****	*****	*****	*****	MG/L	02/30	GR	
50050 LAB ID:ON-SITE Flow in Conduit MLOC=1	SAMPLE MEASUREMENT	0.0219	0.0337	*****	*****	*****	*****	*****	*****	*****	*****	0	99/99	RF
	PERMIT REQUIREMENT	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	99/99	RF	
78389 LAB ID:32010 Tetrachloroethene MLOC=1	SAMPLE MEASUREMENT	*****	*****	*****	*****	<0.001	<0.001	*****	*****	*****	0	01/07	GR	
	PERMIT REQUIREMENT	*****	*****	*****	*****	*****	*****	*****	*****	*****	MG/L	02/30	GR	
78391 LAB ID:32010 Trichloroethene MLOC=1	SAMPLE MEASUREMENT	*****	*****	*****	*****	<0.001	<0.001	*****	*****	*****	0	01/07	GR	
	PERMIT REQUIREMENT	*****	*****	*****	*****	*****	*****	*****	*****	*****	MG/L	02/30	GR	
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER										TELEPHONE	DATE			
Steve W. Webb RMT Project Manager		I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN, AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 16 USC §1001 AND 33 USC §1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years)								864 234-9363	02	12	16	
TYPED OR PRINTED						SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT				AREA CODE	NUMBER	YEAR	MO	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)



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P.O. Box 16778 29606-6778
Greenville, SC
Telephone: 864-281-0030
Fax: 864-281-0288

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

January 21, 2003

S. C. Department of Health and Environmental Control
Attn.: BWPC/Enforcement Section
2600 Bull Street
Columbia, South Carolina 29201

Reference: NPDES Permit No. SC0046469
Medley Farm NPL Site
Cherokee County

Subject: Transmittal of NPDES Discharge Monitoring Report
December 2002

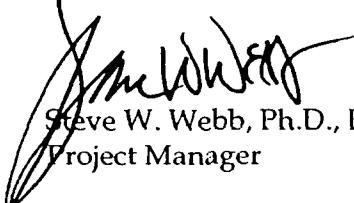
Dear Sir or Madam:

Attached are two copies of the Discharge Monitoring Report for Pipe 001 1 and 001 2 at the Medley Farm NPL Site. There were no permit exceptions for the monitoring period.

If there are any questions, please contact me at (864) 234-9363.

Sincerely,

RMT, Inc.



Steve W. Webb, Ph.D., P.E.
Project Manager

Attachment

cc: Sheri Cresswell - US EPA Region IV
C. W. Swygert - SC DHEC
Medley Farm Site Steering Committee
~~Jeff Friend~~, Neal Dunlap, File 71243.11(c) - RMT

DISCHARGE MONITORING REPORT (DMR)

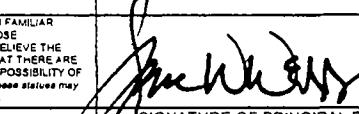
NAME MEDLEY FARM NPL SITE
ADDRESS P. O. BOX 16778
GREENVILLE, SC 29606

SC0046469	001 1						
PERMIT NUMBER	DISCHARGE NUMBER						
MONITORING PERIOD							
FROM	YEAR	MO	DAY	TO	YEAR	MO	DAY
	02	12	01		02	12	31

FACILITY LOCATION MEDLEY FARM NPL SITE
BURNT GIN ROAD

Form Approved.
OMB No. 2040-0004
Approval expires 05-31-98
21 A3 FINAL LIMITS
DMR VALID: 10/01/1997 - 08/31/2002

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card only) (46-53) QUANTITY OR LOADING (54-61)			(3 Card only) (38-45) QUALITY OR CONCENTRATION (46-53) (54-61)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)		
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM				UNITS	
00310 LAB ID:32010 BOD – 5 Day (20 Degrees C) MLOC=1	SAMPLE MEASUREMENT	*****	*****	*****	<2	<2		0	01/07	GR		
	PERMIT REQUIREMENT	*****	*****	*****	101	201	MO AVG DAILY MX		01/30	GR		
00400 LAB ID:32010 pH Standard Units MLOC=1	SAMPLE MEASUREMENT	*****	*****	*****	6.89	7.90		0	01/07	GR		
	PERMIT REQUIREMENT	*****	*****	*****	6.0	8.5	MINIMUM MAXIMUM		01/07	GR		
32103 LAB ID:32010 1,2-Dichloroethane Whole Water MLOC=1	SAMPLE MEASUREMENT	*****	*****	*****	<0.001	<0.001		0	01/07	GR		
	PERMIT REQUIREMENT	*****	*****	*****	REPORT MO AVG	0.028	DAILY MX		02/30	GR		
34501 LAB ID:32010 1,1-Dichloroethylene Whole Water MLOC=1	SAMPLE MEASUREMENT	*****	*****	*****	<0.001	<0.001		0	01/07	GR		
	PERMIT REQUIREMENT	*****	*****	*****	REPORT MO AVG	0.039	DAILY MX		02/30	GR		
50050 LAB ID:ON-SITE Flow in Conduit MLOC=1	SAMPLE MEASUREMENT	0.0167	0.0384	MGD	*****	*****	*****	0	99/99	RF		
	PERMIT REQUIREMENT	REPORT MO AVG	DAILY MX		*****	*****	*****		99/99	RF		
78389 LAB ID:32010 Tetrachloroethene MLOC=1	SAMPLE MEASUREMENT	*****	*****	*****	<0.001	<0.001		0	01/07	GR		
	PERMIT REQUIREMENT	*****	*****	*****	REPORT MO AVG	0.072	DAILY MX		02/30	GR		
78391 LAB ID:32010 Trichloroethene MLOC=1	SAMPLE MEASUREMENT	*****	*****	*****	<0.0013	0.0023		0	01/07	GR		
	PERMIT REQUIREMENT	*****	*****	*****	REPORT MO AVG	0.028	DAILY MX		02/30	GR		
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER		I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN, AND BASED ON MY KNOWLEDGE OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT, SEE 18 USC §1001 AND 33 USC § 1319 (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 5 months and 5 years).				SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		TELEPHONE	DATE			
Steve W. Webb RMT Project Manager						864 234-9363		03	01	21		
TYPED OR PRINTED						SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		AREA CODE	NUMBER	YEAR	MO	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

DMR Attachment for Toxicity Test Results. Bureau of Water.

MEDLEY FARMS NPL SITE Permit number SC0046469 Discharge number 0012
 Final Limits 10/01/1997-08/31/2002 Parameter Code TGP3B MLOC=1 IWC=41.50% effluent.

Monitoring period	Year	Month	Day	To	Year	Month	Day
	From	02	10		02	12	31

Date	All tests				Chronic tests only		
	Group	# Adults	# Dead	Pass/Fail	Average	Variance	Pass/Fail
Date <u>021209</u>	Control	10	1	PASS	28.2	147	PASS
Lab ID <u>32566</u>	Test	10	1		26.4	159	

Date	All tests				Chronic tests only		
	Group	# Adults	# Dead	Pass/Fail	Average	Variance	Pass/Fail
Date _____	Control						
Lab ID _____	Test						

Date	All tests				Chronic tests only		
	Group	# Adults	# Dead	Pass/Fail	Average	Variance	Pass/Fail
Date _____	Control						
Lab ID _____	Test						

Date	All tests				Chronic tests only		
	Group	# Adults	# Dead	Pass/Fail	Average	Variance	Pass/Fail
Date _____	Control						
Lab ID _____	Test						

Date	All tests				Chronic tests only		
	Group	# Adults	# Dead	Pass/Fail	Average	Variance	Pass/Fail
Date _____	Control						
Lab ID _____	Test						

Date	All tests				Chronic tests only		
	Group	# Adults	# Dead	Pass/Fail	Average	Variance	Pass/Fail
Date _____	Control						
Lab ID _____	Test						

Signature of Principal Executive Officer or Authorized Agent

Name/Title of Principal Executive Officer (typed or printed)

Steve W. WEBR

RMT Project Mgr.

Appendix D

Soil Vapor Extraction

Analytical Laboratory Reports



Wisconsin Occupational
Health Laboratory

Mail:
P.O. Box 7996
Madison, WI 53707-7996
Phone: (800) 446-0403
Packages:
2601 Agriculture Dr.
Madison, WI 53718
Fax: (608) 224-6213

Wisconsin State Laboratory of Hygiene

University of Wisconsin

Analytical Laboratory Report

Report ID: 7705629

June 20, 2002

GREG MITCHELL
RMT
100 VERDAE BLVD
PO BOX 16778
GREENVILLE SC 29606-6778

Company Number: 42

PROJ 7124315

MEDLEY FARM SVE

Date Received: 6/7/2002
Date of Analysis: 6/12/2002
Date Reported: 6/20/2002

Analyst:

ANTHONY LIEBIG, Senior Chemist
al@mail.slh.wisc.edu

Reviewer:

STEVE STREBEL, Organic Supervisor
ss@mail.slh.wisc.edu

If you have any questions regarding this report please feel free to contact the laboratory via email (as listed above) or via telephone at 800-446-0403

Report ID: 7705629

Page 1 of 6

1/23



**Wisconsin Occupational
Health Laboratory**

Mail:
P.O. Box 7996
Madison, WI 53707-7996
Phone: (800) 446-0403

Packages:
2601 Agriculture Dr.
Madison, WI 53718
Fax: (608) 224-6213

Wisconsin State Laboratory of Hygiene

University of Wisconsin

Analytical Results

LAB NUMBER	FIELD NUMBER	DESCRIPTION	AIR VOLUME
965598		lct	N/A
STACK			
Solvent Scan			
Ethylene Dichloride		<=5.4 µg/sample	
Perchloroethylene		ND <2.4 µg/sample	
Petroleum Distillates		ND <1.2 µg/sample	
965599		lct	N/A
INLET PIPE			
Solvent Scan			
Ethylene Dichloride		ND <3.0 µg/sample	
Perchloroethylene		ND <2.4 µg/sample	
Petroleum Distillates		ND <1.2 µg/sample	
965600		lct	N/A
VM303D			
Solvent Scan			
Ethylene Dichloride		ND <3.0 µg/sample	
Perchloroethylene		72 µg/sample	
Petroleum Distillates		ND <1.2 µg/sample	
965601		lct	N/A
VM303S			
Solvent Scan			
Ethylene Dichloride		ND <3.0 µg/sample	
Perchloroethylene		25 µg/sample	
Petroleum Distillates		ND <1.2 µg/sample	
965602		lct	N/A
VM302D			
Solvent Scan			
Ethylene Dichloride		ND <3.0 µg/sample	
Perchloroethylene		40 µg/sample	
Petroleum Distillates		<=2.4 µg/sample	
965603		lct	N/A
VM302S			
Solvent Scan			
Ethylene Dichloride		ND <3.0 µg/sample	
Perchloroethylene		ND <2.4 µg/sample	
Petroleum Distillates		ND <1.2 µg/sample	

WOHL

Wisconsin Occupational
Health Laboratory

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2601 Agriculture Dr.
Madison, WI 53718
Fax: (608) 224-6213

Wisconsin State Laboratory of Hygiene

University of Wisconsin

Analytical Results

LAB NUMBER	FIELD NUMBER	DESCRIPTION	AIR VOLUME
965604	lct		N/A
VM301D			
Solvent Scan			
Ethylene Dichloride		10 µg/sample	
Perchloroethylene		ND <2.4 µg/sample	
Petroleum Distillates		ND <1.2 µg/sample	
965605	lct		N/A
VM301S			
Solvent Scan			
Ethylene Dichloride		ND <3.0 µg/sample	
Perchloroethylene		ND <2.4 µg/sample	
Petroleum Distillates		<=2.4 µg/sample	
965606	lct		N/A
VE301			
Solvent Scan			
Ethylene Dichloride		ND <3.0 µg/sample	
Perchloroethylene		ND <2.4 µg/sample	
Petroleum Distillates		ND <1.2 µg/sample	
965607	lct		N/A
DP32			
Solvent Scan			
Ethylene Dichloride		ND <3.0 µg/sample	
Perchloroethylene		ND <2.4 µg/sample	
Petroleum Distillates		ND <1.2 µg/sample	
965608	lct		N/A
DP31			
Solvent Scan			
Ethylene Dichloride		12 µg/sample	
Perchloroethylene		ND <2.4 µg/sample	
Petroleum Distillates		ND <1.2 µg/sample	
965609	lct		N/A
VE302			
Solvent Scan			
Ethylene Dichloride		ND <3.0 µg/sample	
Perchloroethylene		ND <2.4 µg/sample	
Petroleum Distillates		ND <1.2 µg/sample	



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Fax: (608) 224-6213

Wisconsin State Laboratory of Hygiene

University of Wisconsin

Analytical Results

LAB NUMBER	FIELD NUMBER	DESCRIPTION	AIR VOLUME
965610	lct		N/A
VM304D	Solvent Scan		
	Ethylene Dichloride	ND <3.0 µg/sample	
	Perchloroethylene	ND <2.4 µg/sample	
	Petroleum Distillates	ND <1.2 µg/sample	
965611	lct		N/A
VM304S	Solvent Scan		
	Ethylene Dichloride	ND <3.0 µg/sample	
	Perchloroethylene	ND <2.4 µg/sample	
	Petroleum Distillates	ND <1.2 µg/sample	
965612	lct		N/A
VE303	Solvent Scan		
	Ethylene Dichloride	ND <3.0 µg/sample	
	Perchloroethylene	ND <2.4 µg/sample	
	Petroleum Distillates	ND <1.2 µg/sample	
965613	lct		N/A
VE304	Solvent Scan		
	Ethylene Dichloride	ND <3.0 µg/sample	
	Perchloroethylene	ND <2.4 µg/sample	
	Petroleum Distillates	ND <1.2 µg/sample	

COMMENTS: GCMS data suggest traces of trichloroethylene may be present.

ND = None Detected. Results are less than the method detection limit

<= Less Than or Equal To. The analyte was detected but at a level too low to be accurately quantitated. The actual amount is less than or equal to the reported value.



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Fax: (608) 224-6213

Wisconsin State Laboratory of Hygiene

University of Wisconsin

Analytical Methodology

GENERAL SOLVENTS:

These samples are analyzed using a method based on OSHA 7.

The collection media is a SMALL, LARGE or JUMBO Activated Charcoal tube.

Front and back sections of the tube are separately desorbed in 1 ml for SMALL tubes, 3 ml for LARGE tubes or 5 or 10 ml for JUMBO tubes of Carbon Disulfide for 30 minutes prior to analysis.

The samples are run on a Hewlett-Packard Gas Chromatograph equipped with an FID. The Primary and Confirming columns were chosen from the following:

Carbopack C /0.1% SP-1000

VoCol 105M Capillary

HP-5 Capillary

Supelcowax-10 Capillary

SPB-624 capillary

Samples may also have been confirmed on a Model 5972 Hewlett-Packard Gas Chromatograph Mass-Selective Detector containing a Nukol Capillary.

Reporting Limits are specific for each substance.

Results are not blank corrected unless noted in report.

REPORTING LIMITS:

This table contains the WOHL determined reporting limits for the compounds specified in this report. These numbers are based on the historical statistical data for a particular analyte or are based on WOHL determined values.

<u>Analyte</u>	<u>Reporting Limit</u>
Ethylene Dichloride on lct	5.4 µg/sample
Perchloroethylene on lct	4.8 µg/sample
Petroleum Distillates on lct	2.4 µg/sample



Wisconsin Occupational
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Fax: (608) 224-6213

Wisconsin State Laboratory of Hygiene

University of Wisconsin

Analytical Quality Control

Laboratory prepared quality control (QC) samples were analyzed along with the samples included in the analytical report. The analysis results for these QC samples are listed below.

Instrument Used for Analysis: Gas Chromatograph with FID

Laboratory Control Sample: 94023

QC Sample Media: SCT lot 2000 charcoal

<u>Analyte</u>	<u>Target Value</u>	<u>Recovery (%)</u>	<u>Acceptable Recovery (%)</u>	<u>Pass/Fail</u>
n-butyl alcohol (butanol)	2430 µg/sample	90.6	58 - 142	PASS

Laboratory Control Sample: 94024

QC Sample Media: SCT lot 2000 charcoal

<u>Analyte</u>	<u>Target Value</u>	<u>Recovery (%)</u>	<u>Acceptable Recovery (%)</u>	<u>Pass/Fail</u>
n-butyl alcohol (butanol)	810 µg/sample	95.8	58 - 142	PASS

The acceptable range for an analyte is based on the standard deviation of each analyte, which has been determined from statistical evaluation of the historical performance of the assay. The acceptable range includes up to 3 standard deviations, so a result within 3 standard deviations is considered to have passed the QC requirements. A result outside of the acceptable range is considered to have failed QC and may indicate the direction of possible bias for the samples included in the analytical report. The analytes used for QC determination will not always be the same analytes that appear in the samples for the report, however they are representative of the compounds found in the samples and indicative of overall assay performance.

End of Analytical Report

The results in this report apply only to the samples, specifically listed above, tested at the Wisconsin Occupational Health Laboratory. This report is not to be reproduced except in full.



42

CHAIN OF CUSTODY RECORD

Nº 73756

100 Verdae Boulevard, P.O. Box 16778 • Greenville, SC 29606-6778 • Phone (864) 281-0030 • Fax (864) 281-0288

Project No. 71243.15 Project/Client: MEDLEY FARM (SVE)

Project Manager/Contact Person:

GREG MITCHELL / MARK BAILEY

Lab No.	Yr. <u>02</u> Date	Time	9702-5 area Sample Station ID
965598/5		13:00	STACK 75 STROKES
965599		13:05	INLET PIPE
965600		13:10	VM-303D
965601		13:15	VM-303S
965602		13:20	VM-302D
965603		13:25	VM-302S
965604		13:30	VM-301D
965605		13:35	VM-301S
965606		13:40	VE-301
965607/5		13:45	DP 3-2

PECIAL INSTRUCTIONS

IMPLER Relinquished by (Sig.)	Date/Time	Received by (Sig.)	Date/Time	HAZARDS ASSOCIATED WITH SAMPLES	Turn Around (circle one)	Normal	Rush	
<i>Neal Duprey 6/14/02 1700</i>		<i>AIRBORNE # 68406162-672</i>		<input type="checkbox"/> Flammable <input type="checkbox"/> Corrosive <input type="checkbox"/> Highly Toxic <input type="checkbox"/> Other (list) <i>alpha m糜eray</i>	Report Due _____			
Relinquished by (Sig.)	Date/Time	Received by (Sig.)	Date/Time	(For Lab Use Only)				
Relinquished by (Sig.)	Date/Time	Received by (Sig.)	Date/Time	JUN - 7 2002	Receipt Temp:	Receipt pH		
					Temp Blank	Y	N	(Wet/Metals)
Today Seal: Present/Absent Intact/Not Intact Seal #'s								



*Wisconsin Occupational
Health Laboratory*

Mail:
P.O. Box 7996
Madison, WI 53707-7996
Phone: (800) 446-0403

Packages:
2601 Agriculture Dr.
Madison, WI 53718
Fax: (608) 224-6213

Wisconsin State Laboratory of Hygiene

University of Wisconsin

Analytical Laboratory Report

Report ID: 8205852

August 29, 2002

GREG MITCHELL
RMT
100 VERDAE BLVD
PO BOX 16778
GREENVILLE SC 29606-6778

Company Number: 42

MEDLEY FARM SVE

PO 7124315

Date Collected: 8/21/2002
Date Received: 8/23/2002
Date of Analysis: 8/27/2002
Date Reported: 8/29/2002

Analyst: ANH TRAM NGUYEN

ANH TRAM NGUYEN, Chemist
nguyenan@mail.slb.wisc.edu

Reviewer: STEVE STREBEL

STEVE STREBEL, Organic Supervisor
ss@mail.slb.wisc.edu

If you have any questions regarding this report please feel free to contact the laboratory via email (as listed above) or via telephone at 800-446-0403



Analytical Results

LAB NUMBER	FIELD NUMBER	DESCRIPTION	AIR VOLUME
980448		lct	N/A
STACK082102		Solvent Scan	
		Naphtha (Coal Tar)	ND <1.2 µg/sample
		Perchloroethylene	ND <2.4 µg/sample
		Petroleum Distillates	ND <1.2 µg/sample
		Trichloroethylene	ND <6.0 µg/sample
980449		lct	N/A
M301S		Solvent Scan	
		Naphtha (Coal Tar)	ND <1.2 µg/sample
		Perchloroethylene	ND <2.4 µg/sample
		Petroleum Distillates	ND <1.2 µg/sample
		Trichloroethylene	ND <6.0 µg/sample
980450		lct	N/A
VM301D		Solvent Scan	
		Naphtha (Coal Tar)	ND <1.2 µg/sample
		Perchloroethylene	ND <2.4 µg/sample
		Petroleum Distillates	ND <1.2 µg/sample
		Trichloroethylene	ND <6.0 µg/sample
980451		lct	N/A
VM302S		Solvent Scan	
		Naphtha (Coal Tar)	ND <1.2 µg/sample
		Perchloroethylene	ND <2.4 µg/sample
		Petroleum Distillates	ND <1.2 µg/sample
		Trichloroethylene	ND <6.0 µg/sample
980452		lct	N/A
VM302D		Solvent Scan	
		Naphtha (Coal Tar)	ND <1.2 µg/sample
		Perchloroethylene	ND <2.4 µg/sample
		Petroleum Distillates	ND <1.2 µg/sample
		Trichloroethylene	ND <6.0 µg/sample

Analytical Results

LAB NUMBER	FIELD NUMBER	DESCRIPTION	AIR VOLUME	
80453	VM303S	Solvent Scan Naphtha (Coal Tar) Perchloroethylene Petroleum Distillates Trichloroethylene	lct ND <1.2 µg/sample 38 µg/sample ND <1.2 µg/sample ND <6.0 µg/sample	N/A
980454	M303D	Solvent Scan Naphtha (Coal Tar) Perchloroethylene Petroleum Distillates Trichloroethylene	lct ND <1.2 µg/sample 122 µg/sample <=2.4 µg/sample ND <6.0 µg/sample	N/A
80455	VM304S	Solvent Scan Naphtha (Coal Tar) Perchloroethylene Petroleum Distillates Trichloroethylene	lct ND <1.2 µg/sample ND <2.4 µg/sample ND <1.2 µg/sample ND <6.0 µg/sample	N/A
980456	M304D	Solvent Scan Naphtha (Coal Tar) Perchloroethylene Petroleum Distillates Trichloroethylene	lct ND <1.2 µg/sample ND <2.4 µg/sample ND <1.2 µg/sample <=11 µg/sample	N/A
80457	E301	Solvent Scan Naphtha (Coal Tar) Perchloroethylene Petroleum Distillates Trichloroethylene	lct ND <1.2 µg/sample ND <2.4 µg/sample ND <1.2 µg/sample ND <6.0 µg/sample	N/A
980458	E302	Solvent Scan Naphtha (Coal Tar) Perchloroethylene Petroleum Distillates Trichloroethylene	lct ND <1.2 µg/sample ND <2.4 µg/sample ND <1.2 µg/sample ND <6.0 µg/sample	N/A



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Phone: (800) 446-0403

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Fax: (608) 224-6213

Wisconsin State Laboratory of Hygiene

University of Wisconsin

Analytical Results

LAB NUMBER	FIELD NUMBER	DESCRIPTION	AIR VOLUME
980459	VE303	lct	N/A
	Solvent Scan		
	Naphtha (Coal Tar)	ND <1.2 µg/sample	
	Perchloroethylene	ND <2.4 µg/sample	
	Petroleum Distillates	<=2.4 µg/sample	
	Trichloroethylene	ND <6.0 µg/sample	
	COMMENTS:	No other analyte(s) were found in the samples 980448-462.	
980460	E304	lct	N/A
	Solvent Scan		
	Naphtha (Coal Tar)	ND <1.2 µg/sample	
	Perchloroethylene	ND <2.4 µg/sample	
	Petroleum Distillates	ND <1.2 µg/sample	
	Trichloroethylene	ND <6.0 µg/sample	
980461	PP31	lct	N/A
	Solvent Scan		
	Naphtha (Coal Tar)	ND <1.2 µg/sample	
	Perchloroethylene	ND <2.4 µg/sample	
	Petroleum Distillates	ND <1.2 µg/sample	
	Trichloroethylene	ND <6.0 µg/sample	
980462	P32	lct	N/A
	Solvent Scan		
	Naphtha (Coal Tar)	ND <1.2 µg/sample	
	Perchloroethylene	ND <2.4 µg/sample	
	Petroleum Distillates	ND <1.2 µg/sample	
	Trichloroethylene	ND <6.0 µg/sample	

ND = None Detected. Results are less than the method detection limit

<= Less Than or Equal To. The analyte was detected but at a level too low to be accurately quantitated. The actual amount is less than or equal to the reported value.



Analytical Methodology

GENERAL SOLVENTS:

These samples are analyzed using a method based on OSHA 7.

The collection media is a SMALL, LARGE or JUMBO Activated Charcoal tube.

Front and back sections of the tube are separately desorbed in 1 ml for SMALL tubes, 3 ml for LARGE tubes or 5 or 10 ml for JUMBO tubes of Carbon Disulfide for 30 minutes prior to analysis.

The samples are run on a Hewlett-Packard Gas Chromatograph equipped with an FID. The Primary and Confirming columns were chosen from the following:

Carbopack C /0.1% SP-1000

VoCol 105M Capillary

HP-5 Capillary

Supelcowax-10 Capillary

SPB-624 capillary

Samples may also have been confirmed on a Model 5972 Hewlett-Packard Gas Chromatograph Mass-Selective Detector containing a Nukol Capillary.

Reporting Limits are specific for each substance.

Results are not blank corrected unless noted in report.

REPORTING LIMITS:

This table contains the WOHL determined reporting limits for the compounds specified in this report. These numbers are based on the historical statistical data for a particular analyte or are based on WOHL determined values.

<u>Analyte</u>	<u>Reporting Limit</u>
Naphtha (Coal Tar) on lct	2.4 µg/sample
Perchloroethylene on lct	4.8 µg/sample
Petroleum Distillates on lct	2.4 µg/sample
Trichloroethylene on lct	11.1 µg/sample



Analytical Quality Control

Laboratory prepared quality control (QC) samples were analyzed along with the samples included in the analytical report. The analysis results for these QC samples are listed below.

Instrument Used for Analysis: Gas Chromatograph with FID

Laboratory Control Sample: 96025

QC Sample Media: SCT lot 2000 charcoal

<u>Analyte</u>	<u>Target Value</u>	<u>Recovery (%)</u>	<u>Acceptable Recovery (%)</u>	<u>Pass/Fail</u>
Isopropyl alcohol on SCT	1570 µg/sample	102.5	73 - 127	PASS

Laboratory Control Sample: 96026

QC Sample Media: SCT lot 2000 charcoal

<u>Analyte</u>	<u>Target Value</u>	<u>Recovery (%)</u>	<u>Acceptable Recovery (%)</u>	<u>Pass/Fail</u>
Isopropyl alcohol on SCT	785 µg/sample	105.8	73 - 127	PASS

The acceptable range for an analyte is based on the standard deviation of each analyte, which has been determined from statistical evaluation of the historical performance of the assay. The acceptable range includes up to 3 standard deviations, so a result within 3 standard deviations is considered to have passed the QC requirements. A result outside of the acceptable range is considered to have failed QC and may indicate the direction of possible bias for the samples included in the analytical report. The analytes used for QC determination will not always be the same analytes that appear in the samples for the report, however they are representative of the compounds found in the samples and indicative of overall assay performance.

End of Analytical Report

The results in this report apply only to the samples, specifically listed above, tested at the Wisconsin Occupational Health Laboratory. This report is not to be reproduced except in full.



VTS

CHAIN OF CUSTODY RECORD

N° 73878

100 Verdae Boulevard, P.O. Box 16778 • Greenville, SC 29606-6778 • Phone (864) 281-0030 • Fax (864) 281-0288

Project No.	Project/Client:
71243850	MEDLEY FARM (SVE)
Project Manager/Contact Person:	
GREG MITCHELL / STEVE WEBB	

Total Number Of Containers	MATRIX	Filtered (Yes/No)	N
		Preserved (Code)	A
Analyses Requested SDLVEN1 SCAN			

PRESERVED CODES
 A - NONE
 B - HNO₃
 C - H₂SO₄
 D - NaOH
 E - HCl
 F - METHANOL
 G - _____

S	Lab No.	Yr.	Date	Time	Sample Station ID	Total Number Of Containers	MATRIX	Comments:
9202	380448	8/21	0830	STACK	082102	1	CT	
980449	980449		0845	VM-301S		1		
980450	980450		0900	VM-301D		1		
980451	980451		0915	VM-302S		1		
980452	980452		0930	VM-302D		1		
980453	980453		0945	VM-303S		1		
980454	980454		1000	VM-303D		1		
980455	980455		1015	VM-304S		1		
980456	980456		1030	VM-304D		1		
380457	380457	8/21	1045	VE-301		1	CT	

SPECIAL INSTRUCTIONS

Airborn # 68406268 873

SAMPLER Relinquished by (Sig.)	Date/Time	Received by (Sig.)	Date/Time	HAZARDS ASSOCIATED WITH SAMPLES <input type="checkbox"/> Flammable <input type="checkbox"/> Corrosive <input type="checkbox"/> Highly Toxic <input type="checkbox"/> Other (list) <hr/>	Turn Around (circle one)	<input checked="" type="radio"/> Normal	Rush	
Neal Dunlap 8/22/02 1700	1700	Airborne	8-22-02		Report Due _____	(For Lab Use Only)		
Relinquished by (Sig.)	Date/Time	Received by (Sig.)	Date/Time		Receipt Temp: Temp Blank Y N	Receipt pH (Wet/Metals)		
Relinquished by (Sig.)	Date/Time	Received by (Sig.)	Date/Time					
Custody Seal: Present/Absent	Intact/Not Intact	Seal #'s						



CHAIN OF CUSTODY RECORD

Nº 73879

100 Verdae Boulevard, P.O. Box 16778 • Greenville, SC 29606-6778 • Phone (864) 281-0030 • Fax (864) 281-0288

SPECIAL INSTRUCTIONS

Airborne # 68406268 873

SAMPLER Relinquished by (Sig.) <i>Neal Dunlap</i>	Date/Time 8/22/02 1700	Received by (Sig.) <i>Airborn</i>	Date/Time 1700 8-22-02	HAZARDS ASSOCIATED WITH SAMPLES <input type="checkbox"/> Flammable <input type="checkbox"/> Corrosive <input type="checkbox"/> Highly Toxic <input type="checkbox"/> Other (list) <hr/>	Turn Around (circle one) <input checked="" type="radio"/> Normal	Rush
Relinquished by (Sig.)	Date/Time	Received by (Sig.)	Date/Time		Report Due _____	
Relinquished by (Sig.) <i>G</i>	Date/Time	Received by (Sig.)	Date/Time		(For Lab Use Only)	
				Receipt Temp: Temp Blank Y N	Receipt pH (Wet/Metals)	
Custody Seal: Present/Absent Intact/Not Intact Seal #'s						



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Wisconsin State Laboratory of Hygiene

University of Wisconsin

Analytical Laboratory Report

Report ID: 9000487

December 13, 2002

STEVE WEBB
RMT
100 VERDAE BLVD
PO BOX 16778
GREENVILLE SC 29606-6778

Company Number: 42

PRJ MEDLEY FARM SVE

PROJ NO 7124315

Date Collected: 12/3/2002
 Date Received: 12/9/2002
 Date of Analysis: 12/10/2002
 Date Reported: 12/13/2002

Analyst: Tram Nguyen

ANH TRAM NGUYEN, Chemist
 nguyenan@mail.slh.wisc.edu

Reviewer: Steve Strel

STEVE STREBEL, Organic Supervisor
 ss@mail.slh.wisc.edu

If you have any questions regarding this report please feel free to contact the laboratory via email (as listed above) or via telephone at 800-446-0403



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University of Wisconsin

Analytical Results

LAB NUMBER	FIELD NUMBER	DESCRIPTION	AIR VOLUME
1000988	STACK12302	LCT	N/A
	Solvent Scan		
	Ethylene Dichloride	ND <3.0 µg/sample	
	Naphtha (Coal Tar)	ND <1.2 µg/sample	
	Perchloroethylene	ND <2.4 µg/sample	
	Petroleum Distillates	ND <1.2 µg/sample	
	Trichloroethylene	ND <6.0 µg/sample	
1000989	VM301S	LCT	N/A
	Solvent Scan		
	Ethylene Dichloride	ND <3.0 µg/sample	
	Naphtha (Coal Tar)	ND <1.2 µg/sample	
	Perchloroethylene	ND <2.4 µg/sample	
	Petroleum Distillates	ND <1.2 µg/sample	
	Trichloroethylene	ND <6.0 µg/sample	
1000990	VM301D	LCT	N/A
	Solvent Scan		
	Ethylene Dichloride	ND <3.0 µg/sample	
	Naphtha (Coal Tar)	ND <1.2 µg/sample	
	Perchloroethylene	ND <2.4 µg/sample	
	Petroleum Distillates	ND <1.2 µg/sample	
	Trichloroethylene	ND <6.0 µg/sample	
1000991	VM302S	LCT	N/A
	Solvent Scan		
	Ethylene Dichloride	ND <3.0 µg/sample	
	Naphtha (Coal Tar)	ND <1.2 µg/sample	
	Perchloroethylene	ND <2.4 µg/sample	
	Petroleum Distillates	ND <1.2 µg/sample	
	Trichloroethylene	ND <6.0 µg/sample	
1000992	VM302D	LCT	N/A
	Solvent Scan		
	Ethylene Dichloride	ND <3.0 µg/sample	
	Naphtha (Coal Tar)	ND <1.2 µg/sample	
	Perchloroethylene	28 µg/sample	
	Petroleum Distillates	ND <1.2 µg/sample	
	Trichloroethylene	ND <6.0 µg/sample	



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University of Wisconsin

Analytical Results

LAB NUMBER	FIELD NUMBER	DESCRIPTION	AIR VOLUME
1000993	VM303S	LCT	N/A
	Solvent Scan	ND <3.0 µg/sample	
	Ethylene Dichloride	ND <1.2 µg/sample	
	Naphtha (Coal Tar)	ND <2.4 µg/sample	
	Perchloroethylene	ND <1.2 µg/sample	
	Petroleum Distillates	ND <6.0 µg/sample	
1000994	VM303D	LCT	N/A
	Solvent Scan	ND <3.0 µg/sample	
	Ethylene Dichloride	ND <1.2 µg/sample	
	Naphtha (Coal Tar)	9.8 µg/sample	
	Perchloroethylene	ND <2.4 µg/sample	
	Petroleum Distillates	ND <1.2 µg/sample	
	Trichloroethylene	ND <6.0 µg/sample	
1000995	VM304S	LCT	N/A
	Solvent Scan	ND <3.0 µg/sample	
	Ethylene Dichloride	ND <1.2 µg/sample	
	Naphtha (Coal Tar)	ND <2.4 µg/sample	
	Perchloroethylene	ND <1.2 µg/sample	
	Petroleum Distillates	ND <6.0 µg/sample	
1000996	VM304D	LCT	N/A
	Solvent Scan	ND <3.0 µg/sample	
	Ethylene Dichloride	ND <1.2 µg/sample	
	Naphtha (Coal Tar)	ND <2.4 µg/sample	
	Perchloroethylene	ND <1.2 µg/sample	
	Petroleum Distillates	<=11 µg/sample	
1000997	VE301	LCT	N/A
	Solvent Scan	ND <3.0 µg/sample	
	Ethylene Dichloride	ND <1.2 µg/sample	
	Naphtha (Coal Tar)	ND <2.4 µg/sample	
	Perchloroethylene	ND <1.2 µg/sample	
	Petroleum Distillates	ND <6.0 µg/sample	



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University of Wisconsin

Analytical Results

LAB NUMBER	FIELD NUMBER	DESCRIPTION	AIR VOLUME
1000998	VE302	LCT	N/A
	Solvent Scan		
	Ethylene Dichloride	ND <3.0 µg/sample	
	Naphtha (Coal Tar)	ND <1.2 µg/sample	
	Perchloroethylene	ND <2.4 µg/sample	
	Petroleum Distillates	ND <1.2 µg/sample	
	Trichloroethylene	ND <6.0 µg/sample	
1000999	VE303	LCT	N/A
	Solvent Scan		
	Ethylene Dichloride	ND <3.0 µg/sample	
	Naphtha (Coal Tar)	ND <1.2 µg/sample	
	Perchloroethylene	ND <2.4 µg/sample	
	Petroleum Distillates	ND <1.2 µg/sample	
	Trichloroethylene	ND <6.0 µg/sample	
1001000	VE304	LCT	N/A
	Solvent Scan		
	Ethylene Dichloride	<=5.4 µg/sample	
	Naphtha (Coal Tar)	ND <1.2 µg/sample	
	Perchloroethylene	ND <2.4 µg/sample	
	Petroleum Distillates	ND <1.2 µg/sample	
	Trichloroethylene	ND <6.0 µg/sample	
1001001	DP31	LCT	N/A
	Solvent Scan		
	Ethylene Dichloride	ND <3.0 µg/sample	
	Naphtha (Coal Tar)	ND <1.2 µg/sample	
	Perchloroethylene	ND <2.4 µg/sample	
	Petroleum Distillates	ND <1.2 µg/sample	
	Trichloroethylene	ND <6.0 µg/sample	
1001002	DP32	LCT	N/A
	Solvent Scan		
	Ethylene Dichloride	ND <3.0 µg/sample	
	Naphtha (Coal Tar)	ND <1.2 µg/sample	
	Perchloroethylene	ND <2.4 µg/sample	
	Petroleum Distillates	ND <1.2 µg/sample	
	Trichloroethylene	ND <6.0 µg/sample	

ND = None Detected. Results are less than the method detection limit

<= Less Than or Equal To. The analyte was detected but at a level too low to be accurately quantitated. The actual amount is less than or equal to the reported value.



Analytical Methodology

GENERAL SOLVENTS:

These samples are analyzed using WOHL method WG006, which is based on the method, OSHA 7.

The collection media is a SMALL (SCT), LARGE (LCT) or JUMBO (Jct) Activated Charcoal tube.

Front and back sections of the tube are separately desorbed in 1 ml for SMALL tubes, 3 ml for LARGE tubes or 5 ml for JUMBO tubes, of Carbon Disulfide for 30 minutes prior to analysis.

The samples are run on a Hewlett-Packard Gas Chromatograph equipped with an FID. The Primary and Confirming columns were chosen from the following:

Carbopack C / 0.1% SP-1000
VoCol 105M Capillary
HP-5 Capillary
Supelcowax-10 Capillary
SPB-624 capillary

Samples may also have been confirmed on a Model 5972 Hewlett-Packard Gas Chromatograph Mass-Selective Detector containing a Nukol Capillary.

Reporting Limits are specific for each substance.

Results are not blank corrected unless noted in report.

REPORTING LIMITS:

This table contains the WOHL determined reporting limits for the compounds specified in this report. These numbers are based on the historical statistical data for a particular analyte or are based on WOHL determined values.

<u>Analyte</u>	<u>Reporting Limit</u>
Ethylene Dichloride on LCT	5.4 µg/sample
Naphtha (Coal Tar) on LCT	2.4 µg/sample
Perchloroethylene on LCT	4.8 µg/sample
Petroleum Distillates on LCT	2.4 µg/sample
Trichloroethylene on LCT	11.1 µg/sample



Analytical Quality Control

Laboratory prepared quality control (QC) samples were analyzed along with the samples included in the analytical report. The analysis results for these QC samples are listed below.

Instrument Used for Analysis: Gas Chromatograph with FID

Laboratory Control Sample: 96179

QC Sample Media: SCT lot 2000 charcoal

<u>Analyte</u>	<u>Target Value</u>	<u>Recovery (%)</u>	<u>Acceptable Recovery (%)</u>	<u>Pass/Fail</u>
2-heptanone (MAK)	1640 µg/sample	98.0	76 - 124	PASS

Laboratory Control Sample: 96180

QC Sample Media: SCT lot 2000 charcoal

<u>Analyte</u>	<u>Target Value</u>	<u>Recovery (%)</u>	<u>Acceptable Recovery (%)</u>	<u>Pass/Fail</u>
2-heptanone (MAK)	2460 µg/sample	98.0	76 - 124	PASS

The acceptable range for an analyte is based on the standard deviation of each analyte, which has been determined from statistical evaluation of the historical performance of the assay. The acceptable range includes up to 3 standard deviations, so a result within 3 standard deviations is considered to have passed the QC requirements. A result outside of the acceptable range is considered to have failed QC and may indicate the direction of possible bias for the samples included in the analytical report. The analytes used for QC determination will not always be the same analytes that appear in the samples for the report, however they are representative of the compounds found in the samples and indicative of overall assay performance.

End of Analytical Report

The results in this report apply only to the samples, specifically listed above, tested at the Wisconsin Occupational Health Laboratory.
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#42

CHAIN OF CUSTODY RECORD

Nº 74669

100 Verdae Boulevard, P.O. Box 16778 • Greenville, SC 29606-6778 • Phone (864) 281-0030 • Fax (864) 281-0288

Project/Client: MEDLEY FARM (SVE)
Project Manager/Contact Person: STEVE WEBB / MARK BAILEY

SPECIAL INSTRUCTIONS

AIRBORNE # 60819670 -374

SAMPLER Relinquished by (Sig.)	Date/Time	Received by (Sig.)	Date/Time	HAZARDS ASSOCIATED WITH SAMPLES <input type="checkbox"/> Flammable <input type="checkbox"/> Corrosive <input checked="" type="checkbox"/> Highly Toxic <input type="checkbox"/> Other (list) <hr/>	Turn Around (circle one)	<input checked="" type="radio"/> Normal	Rush	
Neal Dunlap	12/4/02 1700	AIRBORNE			Report Due			
Relinquished by (Sig.)	Date/Time	Received by (Sig.)	Date/Time		(For Lab Use Only)			
		D. McCary	DEC 9 2002	Receipt Temp:	Receipt pH			
Relinquished by (Sig.)	Date/Time	Received by (Sig.)	Date/Time	Temp Blank	Y	N	(Wet/Metals)	
M				<hr/>				
Custody Seal: Present/Absent Intact/Not Intact Seal #'s								



CHAIN OF CUSTODY RECORD

Nº 74671

100 Verdae Boulevard, P.O. Box 16778 • Greenville, SC 29606-6778 • Phone (864) 281-0030 • Fax (864) 281-0288

Project No. Project/Client:
71243.15 MEDLEY FARM (SVE)

Project Manager/Contact Person:

STEVE WEBB / MARK BAILEY

Total Number
Of Containers

MATRIX

Filtered (Yes/No)

Preserved (Code)

Analyses Requested
SOLVENT SCAN

PRESERVED CODES

- A - NONE
- B - HNO_3
- C - H_2SO_4
- D - NaOH
- E - HCl
- F - METHANOL
- G - _____

Comments:

C.T. = CHARCOAL TUBE

1000998	12/3	1200	VE-302	75 STROKES
1000999	1215	VF-303	"	"

1000333 1215 VF-303 " "

~~1000999~~ 1215 VF-303 .. "

1001000 123 18-301 N II

1001000 1230 VE-304 " "

1001001(1245 PP 3-1 " "

SPECIAL INSTRUCTIONS

AIRBORNE # 60819670-374

SAMPLER Relinquished by (Sig.) <i>Neal Dunlap</i>	Date/Time 12/4/02 1700	Received by (Sig.) <i>AIRBORNE</i>	Date/Time DEC - 9 2002	HAZARDS ASSOCIATED WITH SAMPLES <input type="checkbox"/> Flammable <input type="checkbox"/> Corrosive <input type="checkbox"/> Highly Toxic <input type="checkbox"/> Other (list) <hr/>	Turn Around (circle one) <input checked="" type="radio"/> Normal <input type="radio"/> Rush
Relinquished by (Sig.)	Date/Time	Received by (Sig.) <i>AM Chay</i>	Date/Time		Report Due _____
Relinquished by (Sig.) <i>JKL</i>	Date/Time	Received by (Sig.)	Date/Time		(For Lab Use Only)
				Receipt Temp: Temp Blank Y N	Receipt pH (Wet/Metals)
Custody Seal: Present/Absent Intact/Not Intact Seal #'s					

E-268 (B10/99)

Act lot 2000

WHITE - LABORATORY COPY

YELLOW - REPORT APPENDIX

PINK - SAMPLES/SUBMITTEE

Appendix E

Groundwater Analytical Laboratory Reports

Corporate Office & Laboratory
1241 Bellevue Street
Green Bay, WI 54302
920-469-2436 • FAX: 920-469-8827
800-7-ENCHEM



Madison Office & Laboratory
525 Science Drive
Madison, WI 53711
608-232-3300 • FAX: 608-233-0502
888-5-ENCHEM

- Analytical Report -

Project Name : MEDLEY FARMS

Submitter : RMT - GREENVILLE

Project Number : 71243.12

Report Date : 4/19/02

WI DNR LAB ID : 113172950

Lab Sample No.	Field ID	Collection Date	Lab Sample No.	Field ID	Collection Date
920874-001	TBLK-02101				
920874-002	MW 4-2	3/21/02			
920874-003	BW-201	3/21/02			
920874-004	BW-202	3/21/02			
920874-005	MLW 3-3	3/21/02			
920874-006	MLW 3-2	3/21/02			
920874-007	MLW 3-1	3/21/02			
920874-008	FBLK 02101	3/21/02			
920874-009	DU-02101	3/21/02			
920874-010	MW 4-1	3/22/02			
920874-011	MW-3D	3/22/02			
920874-012	RBLK-02101	3/22/02			
920874-013	MW 2-1	3/22/02			
920874-014	MW 2-2	3/22/02			
920874-015	BW-108	3/22/02			
920874-016	BW-108MS	3/22/02			
920874-017	BW-108MSD	3/22/02			
920874-018	DP 3-1	3/22/02			
920874-019	DP 3-1MS	3/22/02			
920874-020	DP 3-1MSD	3/22/02			
920874-021	DU-02102	3/22/02			

I certify that the data contained in this Final Report has been generated and reviewed in accordance with approved methods and Laboratory Standard Operating Procedure. Exceptions, if any, are discussed in the accompanying sample narrative. Release of this final report is authorized by Laboratory management, as is verified by the following signature.

Jac. Jan Frazee
Approval Signature
(CMA)

4/19/02
Date

REVISED
4-19-02

- Analytical Report -

Project Name : MEDLEY FARMS
Project Number : 71243.12
Field ID : TBLK-02101
Lab Sample Number : 920874-001
Lab Project Number : 920874

Submitter : RMT - GREENVILLE
Report Date : 4/19/02
Collection Date :
Matrix Type : WATER
WI DNR LAB ID : 113172950

Volatile Organic Results

SPECIAL VOLATILE LIST - WATER

Prep Method: SW846 5030

Prep Date: 3/28/02

Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
1,1,1-Trichloroethane	< 1.0	1.0	ug/L		3/28/02	SW846 8260B
1,1,2-Trichloroethane	< 1.0	1.0	ug/L		3/28/02	SW846 8260B
1,1-Dichloroethane	< 1.0	1.0	ug/L		3/28/02	SW846 8260B
1,1-Dichloroethene	< 1.0	1.0	ug/L		3/28/02	SW846 8260B
1,2-Dichloroethane	< 1.0	1.0	ug/L		3/28/02	SW846 8260B
2-Butanone	< 5.0	5.0	ug/L		3/28/02	SW846 8260B
Acetone	< 5.0	5.0	ug/L		3/28/02	SW846 8260B
Benzene	< 1.0	1.0	ug/L		3/28/02	SW846 8260B
Chloroform	< 1.0	1.0	ug/L		3/28/02	SW846 8260B
Chloromethane	< 2.0	2.0	ug/L		3/28/02	SW846 8260B
cis-1,2-Dichloroethene	< 1.0	1.0	ug/L		3/28/02	SW846 8260B
Methylene chloride	< 1.0	1.0	ug/L		3/28/02	SW846 8260B
Tetrachloroethene	< 1.0	1.0	ug/L		3/28/02	SW846 8260B
trans-1,2-Dichloroethene	< 1.0	1.0	ug/L		3/28/02	SW846 8260B
Trichloroethene	< 1.0	1.0	ug/L	&	3/28/02	SW846 8260B

REVIS
4-19-02

- Analytical Report -

Project Name : MEDLEY FARMS

Submitter : RMT - GREENVILLE

Project Number : 71243.12

Report Date : 4/19/02

Field ID : MW 4-2

Collection Date : 3/21/02

Lab Sample Number : 920874-002

Matrix Type : GROUNDWATER

Lab Project Number : 920874

WI DNR LAB ID : 113172950

Volatile Organic Results

SPECIAL VOLATILE LIST - WATER

Prep Method: SW846 5030

Prep Date: 3/28/02

Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
1,1,1-Trichloroethane	< 1.0	1.0	ug/L		3/28/02	SW846 8260B
1,1,2-Trichloroethane	< 1.0	1.0	ug/L		3/28/02	SW846 8260B
1,1-Dichloroethane	< 1.0	1.0	ug/L		3/28/02	SW846 8260B
1,1-Dichloroethene	1.6	1.0	ug/L		3/28/02	SW846 8260B
1,2-Dichloroethane	< 1.0	1.0	ug/L		3/28/02	SW846 8260B
2-Butanone	< 5.0	5.0	ug/L		3/28/02	SW846 8260B
Acetone	< 5.0	5.0	ug/L		3/28/02	SW846 8260B
Benzene	< 1.0	1.0	ug/L		3/28/02	SW846 8260B
Chloroform	9.5	1.0	ug/L		3/28/02	SW846 8260B
Chloromethane	< 2.0	2.0	ug/L		3/28/02	SW846 8260B
cis-1,2-Dichloroethene	1.2	1.0	ug/L		3/28/02	SW846 8260B
Methylene chloride	< 1.0	1.0	ug/L		3/28/02	SW846 8260B
Tetrachloroethene	37	1.0	ug/L		3/28/02	SW846 8260B
trans-1,2-Dichloroethene	< 1.0	1.0	ug/L		3/28/02	SW846 8260B
Trichloroethene	140	1.0	ug/L	&	3/28/02	SW846 8260B

REVISED
4-19-02

- Analytical Report -

Project Name : MEDLEY FARMS
Project Number : 71243.12
Field ID : BW-201
Lab Sample Number : 920874-003
Lab Project Number : 920874

Submitter : RMT - GREENVILLE
Report Date : 4/19/02
Collection Date : 3/21/02
Matrix Type : GROUNDWATER
WI DNR LAB ID : 113172950

Volatile Organic Results

SPECIAL VOLATILE LIST - WATER

Prep Method: SW846 5030

Prep Date: 3/28/02

Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
1,1,1-Trichloroethane	< 1.0	1.0	ug/L		3/28/02	SW846 8260B
1,1,2-Trichloroethane	< 1.0	1.0	ug/L		3/28/02	SW846 8260B
1,1-Dichloroethane	< 1.0	1.0	ug/L		3/28/02	SW846 8260B
1,1-Dichloroethene	< 1.0	1.0	ug/L		3/28/02	SW846 8260B
1,2-Dichloroethane	< 1.0	1.0	ug/L		3/28/02	SW846 8260B
2-Butanone	< 5.0	5.0	ug/L		3/28/02	SW846 8260B
Acetone	< 5.0	5.0	ug/L		3/28/02	SW846 8260B
Benzene	< 1.0	1.0	ug/L		3/28/02	SW846 8260B
Chloroform	< 1.0	1.0	ug/L		3/28/02	SW846 8260B
Chloromethane	< 2.0	2.0	ug/L		3/28/02	SW846 8260B
cis-1,2-Dichloroethene	0.88	1.0	ug/L	J	3/28/02	SW846 8260B
Methylene chloride	< 1.0	1.0	ug/L		3/28/02	SW846 8260B
Tetrachloroethene	2.3	1.0	ug/L		3/28/02	SW846 8260B
trans-1,2-Dichloroethene	< 1.0	1.0	ug/L		3/28/02	SW846 8260B
Trichloroethene	3.6	1.0	ug/L	&	3/28/02	SW846 8260B

REVISED
4-19-02

- Analytical Report -

Project Name : MEDLEY FARMS

Submitter : RMT - GREENVILLE

Project Number : 71243.12

Report Date : 4/19/02

Field ID : BW-202

Collection Date : 3/21/02

Lab Sample Number : 920874-004

Matrix Type : GROUNDWATER

Lab Project Number : 920874

WI DNR LAB ID : 113172950

Volatile Organic Results

SPECIAL VOLATILE LIST - WATER

Prep Method: SW846 5030

Prep Date: 3/28/02

Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
1,1,1-Trichloroethane	< 1.0	1.0	ug/L		3/28/02	SW846 8260B
1,1,2-Trichloroethane	< 1.0	1.0	ug/L		3/28/02	SW846 8260B
1,1-Dichloroethane	< 1.0	1.0	ug/L		3/28/02	SW846 8260B
1,1-Dichloroethene	< 1.0	1.0	ug/L		3/28/02	SW846 8260B
1,2-Dichloroethane	< 1.0	1.0	ug/L		3/28/02	SW846 8260B
2-Butanone	< 5.0	5.0	ug/L		3/28/02	SW846 8260B
Acetone	< 5.0	5.0	ug/L		3/28/02	SW846 8260B
Benzene	< 1.0	1.0	ug/L		3/28/02	SW846 8260B
Chloroform	< 1.0	1.0	ug/L		3/28/02	SW846 8260B
Chloromethane	< 2.0	2.0	ug/L		3/28/02	SW846 8260B
cis-1,2-Dichloroethene	< 1.0	1.0	ug/L		3/28/02	SW846 8260B
Methylene chloride	< 1.0	1.0	ug/L		3/28/02	SW846 8260B
Tetrachloroethene	2.5	1.0	ug/L		3/28/02	SW846 8260B
trans-1,2-Dichloroethene	< 1.0	1.0	ug/L		3/28/02	SW846 8260B
Trichloroethene	0.75	1.0	ug/L	J&	3/28/02	SW846 8260B

REVISED
4-19-02

- Analytical Report -

Project Name : MEDLEY FARMS
Project Number : 71243.12
Field ID : MLW 3-3
Lab Sample Number : 920874-005
Lab Project Number : 920874

Submitter : RMT - GREENVILLE
Report Date : 4/19/02
Collection Date : 3/21/02
Matrix Type : GROUNDWATER
WI DNR LAB ID : 113172950

Volatile Organic Results

SPECIAL VOLATILE LIST - WATER

Prep Method: SW846 5030

Prep Date: 3/28/02

Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
1,1,1-Trichloroethane	< 1.0	1.0	ug/L		3/28/02	SW846 8260B
1,1,2-Trichloroethane	< 1.0	1.0	ug/L		3/28/02	SW846 8260B
1,1-Dichloroethane	< 1.0	1.0	ug/L		3/28/02	SW846 8260B
1,1-Dichloroethene	< 1.0	1.0	ug/L		3/28/02	SW846 8260B
1,2-Dichloroethane	< 1.0	1.0	ug/L		3/28/02	SW846 8260B
2-Butanone	< 5.0	5.0	ug/L		3/28/02	SW846 8260B
Acetone	< 5.0	5.0	ug/L		3/28/02	SW846 8260B
Benzene	< 1.0	1.0	ug/L		3/28/02	SW846 8260B
Chloroform	< 1.0	1.0	ug/L		3/28/02	SW846 8260B
Chloromethane	< 2.0	2.0	ug/L		3/28/02	SW846 8260B
cis-1,2-Dichloroethene	< 1.0	1.0	ug/L		3/28/02	SW846 8260B
Methylene chloride	< 1.0	1.0	ug/L		3/28/02	SW846 8260B
Tetrachloroethene	1.6	1.0	ug/L		3/28/02	SW846 8260B
trans-1,2-Dichloroethene	< 1.0	1.0	ug/L		3/28/02	SW846 8260B
Trichloroethene	3.7	1.0	ug/L	&	3/28/02	SW846 8260B

REVISED
4-19-02

- Analytical Report -

Project Name : MEDLEY FARMS
Project Number : 71243.12
Field ID : MLW 3-2
Lab Sample Number : 920874-006
Lab Project Number : 920874

Submitter : RMT - GREENVILLE
Report Date : 4/19/02
Collection Date : 3/21/02
Matrix Type : GROUNDWATER
WI DNR LAB ID : 113172950

Volatile Organic Results

SPECIAL VOLATILE LIST - WATER

Prep Method: SW846 5030

Prep Date: 3/28/02

Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
1,1,1-Trichloroethane	< 1.0	1.0	ug/L		3/28/02	SW846 8260B
1,1,2-Trichloroethane	< 1.0	1.0	ug/L		3/28/02	SW846 8260B
1,1-Dichloroethane	< 1.0	1.0	ug/L		3/28/02	SW846 8260B
1,1-Dichloroethene	< 1.0	1.0	ug/L		3/28/02	SW846 8260B
1,2-Dichloroethane	< 1.0	1.0	ug/L		3/28/02	SW846 8260B
2-Butanone	4.8	5.0	ug/L	J	3/28/02	SW846 8260B
Acetone	21	5.0	ug/L		3/28/02	SW846 8260B
Benzene	< 1.0	1.0	ug/L		3/28/02	SW846 8260B
Chloroform	< 1.0	1.0	ug/L		3/28/02	SW846 8260B
Chloromethane	< 2.0	2.0	ug/L		3/28/02	SW846 8260B
cis-1,2-Dichloroethene	< 1.0	1.0	ug/L		3/28/02	SW846 8260B
Methylene chloride	< 1.0	1.0	ug/L		3/28/02	SW846 8260B
Tetrachloroethene	2.1	1.0	ug/L		3/28/02	SW846 8260B
trans-1,2-Dichloroethene	< 1.0	1.0	ug/L		3/28/02	SW846 8260B
Trichloroethene	5.0	1.0	ug/L	&	3/28/02	SW846 8260B

REVISED
4-9-02

- Analytical Report -

Project Name : MEDLEY FARMS
Project Number : 71243.12
Field ID : MLW 3-1
Lab Sample Number : 920874-007
Lab Project Number : 920874

Submitter : RMT - GREENVILLE
Report Date : 4/19/02
Collection Date : 3/21/02
Matrix Type : GROUNDWATER
WI DNR LAB ID : 113172950

Volatile Organic Results

SPECIAL VOLATILE LIST - WATER

Prep Method: SW846 5030

Prep Date: 3/28/02

Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
1,1,1-Trichloroethane	< 1.0	1.0	ug/L		3/28/02	SW846 8260B
1,1,2-Trichloroethane	< 1.0	1.0	ug/L		3/28/02	SW846 8260B
1,1-Dichloroethane	< 1.0	1.0	ug/L		3/28/02	SW846 8260B
1,1-Dichloroethene	< 1.0	1.0	ug/L		3/28/02	SW846 8260B
1,2-Dichloroethane	< 1.0	1.0	ug/L		3/28/02	SW846 8260B
2-Butanone	9.5	5.0	ug/L		3/28/02	SW846 8260B
Acetone	33	5.0	ug/L		3/28/02	SW846 8260B
Benzene	< 1.0	1.0	ug/L		3/28/02	SW846 8260B
Chloroform	< 1.0	1.0	ug/L		3/28/02	SW846 8260B
Chloromethane	< 2.0	2.0	ug/L		3/28/02	SW846 8260B
cis-1,2-Dichloroethene	0.55	1.0	ug/L	J	3/28/02	SW846 8260B
Methylene chloride	< 1.0	1.0	ug/L		3/28/02	SW846 8260B
Tetrachloroethene	1.8	1.0	ug/L		3/28/02	SW846 8260B
trans-1,2-Dichloroethene	< 1.0	1.0	ug/L		3/28/02	SW846 8260B
Trichloroethene	4.2	1.0	ug/L	&	3/28/02	SW846 8260B

REVISED
4-19-02

- Analytical Report -

Project Name : MEDLEY FARMS
Project Number : 71243.12
Field ID : FBLK 02101
Lab Sample Number : 920874-008
Lab Project Number : 920874

Submitter : RMT - GREENVILLE
Report Date : 4/19/02
Collection Date : 3/21/02
Matrix Type : WATER
WI DNR LAB ID : 113172950

Volatile Organic Results

SPECIAL VOLATILE LIST - WATER

Prep Method: SW846 5030

Prep Date: 3/28/02

Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
1,1,1-Trichloroethane	< 1.0	1.0	ug/L		3/28/02	SW846 8260B
1,1,2-Trichloroethane	< 1.0	1.0	ug/L		3/28/02	SW846 8260B
1,1-Dichloroethane	< 1.0	1.0	ug/L		3/28/02	SW846 8260B
1,1-Dichloroethene	< 1.0	1.0	ug/L		3/28/02	SW846 8260B
1,2-Dichloroethane	< 1.0	1.0	ug/L		3/28/02	SW846 8260B
2-Butanone	< 5.0	5.0	ug/L		3/28/02	SW846 8260B
Acetone	< 5.0	5.0	ug/L		3/28/02	SW846 8260B
Benzene	< 1.0	1.0	ug/L		3/28/02	SW846 8260B
Chloroform	< 1.0	1.0	ug/L		3/28/02	SW846 8260B
Chloromethane	< 2.0	2.0	ug/L		3/28/02	SW846 8260B
cis-1,2-Dichloroethene	< 1.0	1.0	ug/L		3/28/02	SW846 8260B
Methylene chloride	< 1.0	1.0	ug/L		3/28/02	SW846 8260B
Tetrachloroethene	< 1.0	1.0	ug/L		3/28/02	SW846 8260B
trans-1,2-Dichloroethene	< 1.0	1.0	ug/L		3/28/02	SW846 8260B
Trichloroethene	< 1.0	1.0	ug/L	&	3/28/02	SW846 8260B

REVISED
4-19-02

- Analytical Report -

Project Name : MEDLEY FARMS
Project Number : 71243.12
Field ID : DU-02101
Lab Sample Number : 920874-009
Lab Project Number : 920874

Submitter : RMT - GREENVILLE
Report Date : 4/19/02
Collection Date : 3/21/02
Matrix Type : GROUNDWATER
WI DNR LAB ID : 113172950

Volatile Organic Results

SPECIAL VOLATILE LIST - WATER

Prep Method: SW846 5030

Prep Date: 3/28/02

Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
1,1,1-Trichloroethane	< 1.0	1.0	ug/L		3/28/02	SW846 8260B
1,1,2-Trichloroethane	< 1.0	1.0	ug/L		3/28/02	SW846 8260B
1,1-Dichloroethane	< 1.0	1.0	ug/L		3/28/02	SW846 8260B
1,1-Dichloroethene	1.3	1.0	ug/L		3/28/02	SW846 8260B
1,2-Dichloroethane	< 1.0	1.0	ug/L		3/28/02	SW846 8260B
2-Butanone	< 5.0	5.0	ug/L		3/28/02	SW846 8260B
Acetone	< 5.0	5.0	ug/L		3/28/02	SW846 8260B
Benzene	< 1.0	1.0	ug/L		3/28/02	SW846 8260B
Chloroform	8.8	1.0	ug/L		3/28/02	SW846 8260B
Chloromethane	< 2.0	2.0	ug/L		3/28/02	SW846 8260B
cis-1,2-Dichloroethene	1.3	1.0	ug/L		3/28/02	SW846 8260B
Methylene chloride	< 1.0	1.0	ug/L		3/28/02	SW846 8260B
Tetrachloroethene	36	1.0	ug/L		3/28/02	SW846 8260B
trans-1,2-Dichloroethene	< 1.0	1.0	ug/L		3/28/02	SW846 8260B
Trichloroethene	140	1.0	ug/L	&	3/28/02	SW846 8260B

REVISED
4-19-02

- Analytical Report -

Project Name : MEDLEY FARMS

Submitter : RMT - GREENVILLE

Project Number : 71243.12

Report Date : 4/19/02

Field ID : MW 4-1

Collection Date : 3/22/02

Lab Sample Number : 920874-010

Matrix Type : GROUNDWATER

Lab Project Number : 920874

WI DNR LAB ID : 113172950

Volatile Organic Results

SPECIAL VOLATILE LIST - WATER

Prep Method: SW846 5030

Prep Date: 3/28/02

Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
1,1,1-Trichloroethane	< 2.0	2.0	ug/L		3/28/02	SW846 8260B
1,1,2-Trichloroethane	25	2.0	ug/L		3/28/02	SW846 8260B
1,1-Dichloroethane	< 2.0	2.0	ug/L		3/28/02	SW846 8260B
1,1-Dichloroethene	5.8	2.0	ug/L		3/28/02	SW846 8260B
1,2-Dichloroethane	1.4	2.0	ug/L	J	3/28/02	SW846 8260B
2-Butanone	< 10	10	ug/L		3/28/02	SW846 8260B
Acetone	< 10	10	ug/L		3/28/02	SW846 8260B
Benzene	< 2.0	2.0	ug/L		3/28/02	SW846 8260B
Chloroform	60	2.0	ug/L		3/28/02	SW846 8260B
Chloromethane	< 4.0	4.0	ug/L		3/28/02	SW846 8260B
cis-1,2-Dichloroethene	1.6	2.0	ug/L	J	3/28/02	SW846 8260B
Methylene chloride	< 2.0	2.0	ug/L		3/28/02	SW846 8260B
Tetrachloroethene	120	2.0	ug/L		3/28/02	SW846 8260B
trans-1,2-Dichloroethene	< 2.0	2.0	ug/L		3/28/02	SW846 8260B
Trichloroethene	260	2.0	ug/L	&	3/28/02	SW846 8260B

REVISED
4-19-02

- Analytical Report -

Project Name : MEDLEY FARMS

Submitter : RMT - GREENVILLE

Project Number : 71243.12

Report Date : 4/19/02

Field ID : MW-3D

Collection Date : 3/22/02

Lab Sample Number : 920874-011

Matrix Type : GROUNDWATER

Lab Project Number : 920874

WI DNR LAB ID : 113172950

Volatile Organic Results

SPECIAL VOLATILE LIST - WATER

Prep Method: SW846 5030

Prep Date: 3/28/02

Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
1,1,1-Trichloroethane	< 1.0	1.0	ug/L		3/28/02	SW846 8260B
1,1,2-Trichloroethane	< 1.0	1.0	ug/L		3/28/02	SW846 8260B
1,1-Dichloroethane	< 1.0	1.0	ug/L		3/28/02	SW846 8260B
1,1-Dichloroethene	2.8	1.0	ug/L		3/28/02	SW846 8260B
1,2-Dichloroethane	< 1.0	1.0	ug/L		3/28/02	SW846 8260B
2-Butanone	< 5.0	5.0	ug/L		3/28/02	SW846 8260B
Acetone	< 5.0	5.0	ug/L		3/28/02	SW846 8260B
Benzene	< 1.0	1.0	ug/L		3/28/02	SW846 8260B
Chloroform	0.74	1.0	ug/L	J	3/28/02	SW846 8260B
Chloromethane	< 2.0	2.0	ug/L		3/28/02	SW846 8260B
cis-1,2-Dichloroethene	2.6	1.0	ug/L		3/28/02	SW846 8260B
Methylene chloride	< 1.0	1.0	ug/L		3/28/02	SW846 8260B
Tetrachloroethene	37	1.0	ug/L		3/28/02	SW846 8260B
trans-1,2-Dichloroethene	< 1.0	1.0	ug/L		3/28/02	SW846 8260B
Trichloroethene	36	1.0	ug/L	&	3/28/02	SW846 8260B

REVISED
4-19-02

- Analytical Report -

Project Name : MEDLEY FARMS

Submitter : RMT - GREENVILLE

Project Number : 71243.12

Report Date : 4/19/02

Field ID : RBLK-02101

Collection Date : 3/22/02

Lab Sample Number : 920874-012

Matrix Type : WATER

Lab Project Number : 920874

WI DNR LAB ID : 113172950

Volatile Organic Results

SPECIAL VOLATILE LIST - WATER

Prep Method: SW846 5030

Prep Date: 3/28/02

Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
1,1,1-Trichloroethane	< 1.0	1.0	ug/L		3/28/02	SW846 8260B
1,1,2-Trichloroethane	< 1.0	1.0	ug/L		3/28/02	SW846 8260B
1,1-Dichloroethane	< 1.0	1.0	ug/L		3/28/02	SW846 8260B
1,1-Dichloroethene	< 1.0	1.0	ug/L		3/28/02	SW846 8260B
1,2-Dichloroethane	< 1.0	1.0	ug/L		3/28/02	SW846 8260B
2-Butanone	< 5.0	5.0	ug/L		3/28/02	SW846 8260B
Acetone	< 5.0	5.0	ug/L		3/28/02	SW846 8260B
Benzene	< 1.0	1.0	ug/L		3/28/02	SW846 8260B
Chloroform	< 1.0	1.0	ug/L		3/28/02	SW846 8260B
Chloromethane	< 2.0	2.0	ug/L		3/28/02	SW846 8260B
cis-1,2-Dichloroethene	< 1.0	1.0	ug/L		3/28/02	SW846 8260B
Methylene chloride	< 1.0	1.0	ug/L		3/28/02	SW846 8260B
Tetrachloroethene	< 1.0	1.0	ug/L		3/28/02	SW846 8260B
trans-1,2-Dichloroethene	< 1.0	1.0	ug/L		3/28/02	SW846 8260B
Trichloroethene	< 1.0	1.0	ug/L	&	3/28/02	SW846 8260B

REVISED
4-19-02

- Analytical Report -

Project Name : MEDLEY FARMS

Submitter : RMT - GREENVILLE

Project Number : 71243.12

Report Date : 4/19/02

Field ID : MW 2-1

Collection Date : 3/22/02

Lab Sample Number : 920874-013

Matrix Type : GROUNDWATER

Lab Project Number : 920874

WI DNR LAB ID : 113172950

Volatile Organic Results

SPECIAL VOLATILE LIST - WATER

Prep Method: SW846 5030

Prep Date: 3/28/02

Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
1,1,1-Trichloroethane	0.78	1.0	ug/L	J	3/28/02	SW846 8260B
1,1,2-Trichloroethane	< 1.0	1.0	ug/L		3/28/02	SW846 8260B
1,1-Dichloroethane	0.67	1.0	ug/L	J	3/28/02	SW846 8260B
1,1-Dichloroethene	13	1.0	ug/L		3/28/02	SW846 8260B
1,2-Dichloroethane	2.1	1.0	ug/L		3/28/02	SW846 8260B
2-Butanone	< 5.0	5.0	ug/L		3/28/02	SW846 8260B
Acetone	< 5.0	5.0	ug/L		3/28/02	SW846 8260B
Benzene	< 1.0	1.0	ug/L		3/28/02	SW846 8260B
Chloroform	1.3	1.0	ug/L		3/28/02	SW846 8260B
Chloromethane	< 2.0	2.0	ug/L		3/28/02	SW846 8260B
cis-1,2-Dichloroethene	1.5	1.0	ug/L		3/28/02	SW846 8260B
Methylene chloride	< 1.0	1.0	ug/L		3/28/02	SW846 8260B
Tetrachloroethene	12	1.0	ug/L		3/28/02	SW846 8260B
trans-1,2-Dichloroethene	< 1.0	1.0	ug/L		3/28/02	SW846 8260B
Trichloroethene	26	1.0	ug/L	&	3/28/02	SW846 8260B

REVISED
4-19-02

- Analytical Report -

Project Name : MEDLEY FARMS

Submitter : RMT - GREENVILLE

Project Number : 71243.12

Report Date : 4/19/02

Field ID : MW 2-2

Collection Date : 3/22/02

Lab Sample Number : 920874-014

Matrix Type : GROUNDWATER

Lab Project Number : 920874

WI DNR LAB ID : 113172950

Volatile Organic Results

SPECIAL VOLATILE LIST - WATER

Prep Method: SW846 5030

Prep Date: 3/28/02

Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
1,1,1-Trichloroethane	1.4	1.0	ug/L		3/28/02	SW846 8260B
1,1,2-Trichloroethane	< 1.0	1.0	ug/L		3/28/02	SW846 8260B
1,1-Dichloroethane	< 1.0	1.0	ug/L		3/28/02	SW846 8260B
1,1-Dichloroethene	4.7	1.0	ug/L		3/28/02	SW846 8260B
1,2-Dichloroethane	1.6	1.0	ug/L		3/28/02	SW846 8260B
2-Butanone	< 5.0	5.0	ug/L		3/28/02	SW846 8260B
Acetone	< 5.0	5.0	ug/L		3/28/02	SW846 8260B
Benzene	< 1.0	1.0	ug/L		3/28/02	SW846 8260B
Chloroform	6.7	1.0	ug/L		3/28/02	SW846 8260B
Chloromethane	< 2.0	2.0	ug/L		3/28/02	SW846 8260B
cis-1,2-Dichloroethene	3.5	1.0	ug/L		3/28/02	SW846 8260B
Methylene chloride	< 1.0	1.0	ug/L		3/28/02	SW846 8260B
Tetrachloroethene	20	1.0	ug/L		3/28/02	SW846 8260B
trans-1,2-Dichloroethene	< 1.0	1.0	ug/L		3/28/02	SW846 8260B
Trichloroethene	56	1.0	ug/L	&	3/28/02	SW846 8260B

REVISED
4-19-02

- Analytical Report -

Project Name : MEDLEY FARMS
Project Number : 71243.12
Field ID : BW-108
Lab Sample Number : 920874-015
Lab Project Number : 920874

Submitter : RMT - GREENVILLE
Report Date : 4/19/02
Collection Date : 3/22/02
Matrix Type : GROUNDWATER
WI DNR LAB ID : 113172950

Volatile Organic Results

SPECIAL VOLATILE LIST - WATER

Prep Method: SW846 5030

Prep Date: 3/28/02

Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
1,1,1-Trichloroethane	< 1.0	1.0	ug/L		3/28/02	SW846 8260B
1,1,2-Trichloroethane	< 1.0	1.0	ug/L		3/28/02	SW846 8260B
1,1-Dichloroethane	< 1.0	1.0	ug/L		3/28/02	SW846 8260B
1,1-Dichloroethene	< 1.0	1.0	ug/L		3/28/02	SW846 8260B
1,2-Dichloroethane	< 1.0	1.0	ug/L		3/28/02	SW846 8260B
2-Butanone	< 5.0	5.0	ug/L		3/28/02	SW846 8260B
Acetone	< 5.0	5.0	ug/L		3/28/02	SW846 8260B
Benzene	< 1.0	1.0	ug/L		3/28/02	SW846 8260B
Chloroform	< 1.0	1.0	ug/L		3/28/02	SW846 8260B
Chloromethane	< 2.0	2.0	ug/L		3/28/02	SW846 8260B
cis-1,2-Dichloroethene	0.46	1.0	ug/L	J	3/28/02	SW846 8260B
Methylene chloride	< 1.0	1.0	ug/L		3/28/02	SW846 8260B
Tetrachloroethene	1.5	1.0	ug/L		3/28/02	SW846 8260B
trans-1,2-Dichloroethene	< 1.0	1.0	ug/L		3/28/02	SW846 8260B
Trichloroethene	2.0	1.0	ug/L	&	3/28/02	SW846 8260B

REVISED
4-19-02

- Analytical Report -

Project Name : MEDLEY FARMS
Project Number : 71243.12
Field ID : BW-108MS
Lab Sample Number : 920874-016
Lab Project Number : 920874

Submitter : RMT - GREENVILLE
Report Date : 4/19/02
Collection Date : 3/22/02
Matrix Type : GROUNDWATER
WI DNR LAB ID : 113172950

Volatile Organic Results

SPECIAL VOLATILE LIST - WATER

Prep Method: SW846 5030

Prep Date: 3/28/02

Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
1,1,1-Trichloroethane	59	1.0	ug/L		3/28/02	SW846 8260B
1,1,2-Trichloroethane	58	1.0	ug/L		3/28/02	SW846 8260B
1,1-Dichloroethane	59	1.0	ug/L		3/28/02	SW846 8260B
1,1-Dichloroethene	65	1.0	ug/L		3/28/02	SW846 8260B
1,2-Dichloroethane	59	1.0	ug/L		3/28/02	SW846 8260B
2-Butanone	52	5.0	ug/L		3/28/02	SW846 8260B
Acetone	45	5.0	ug/L		3/28/02	SW846 8260B
Benzene	59	1.0	ug/L		3/28/02	SW846 8260B
Chloroform	58	1.0	ug/L		3/28/02	SW846 8260B
Chloromethane	51	2.0	ug/L		3/28/02	SW846 8260B
cis-1,2-Dichloroethene	57	1.0	ug/L		3/28/02	SW846 8260B
Methylene chloride	61	1.0	ug/L		3/28/02	SW846 8260B
Tetrachloroethene	59	1.0	ug/L		3/28/02	SW846 8260B
trans-1,2-Dichloroethene	60	1.0	ug/L		3/28/02	SW846 8260B
Trichloroethene	62	1.0	ug/L	&	3/28/02	SW846 8260B

REVISED
4-19-02

- Analytical Report -

Project Name : MEDLEY FARMS
Project Number : 71243.12
Field ID : BW-108MSD
Lab Sample Number : 920874-017
Lab Project Number : 920874

Submitter : RMT - GREENVILLE
Report Date : 4/19/02
Collection Date : 3/22/02
Matrix Type : GROUNDWATER
WI DNR LAB ID : 113172950

Volatile Organic Results

SPECIAL VOLATILE LIST - WATER

Prep Method: SW846 5030

Prep Date: 3/29/02

Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
1,1,1-Trichloroethane	60	1.0	ug/L		3/29/02	SW846 8260B
1,1,2-Trichloroethane	58	1.0	ug/L		3/29/02	SW846 8260B
1,1-Dichloroethane	59	1.0	ug/L		3/29/02	SW846 8260B
1,1-Dichloroethene	64	1.0	ug/L		3/29/02	SW846 8260B
1,2-Dichloroethane	59	1.0	ug/L		3/29/02	SW846 8260B
2-Butanone	55	5.0	ug/L		3/29/02	SW846 8260B
Acetone	46	5.0	ug/L		3/29/02	SW846 8260B
Benzene	60	1.0	ug/L		3/29/02	SW846 8260B
Chloroform	58	1.0	ug/L		3/29/02	SW846 8260B
Chloromethane	51	2.0	ug/L		3/29/02	SW846 8260B
cis-1,2-Dichloroethene	58	1.0	ug/L		3/29/02	SW846 8260B
Methylene chloride	60	1.0	ug/L		3/29/02	SW846 8260B
Tetrachloroethene	57	1.0	ug/L		3/29/02	SW846 8260B
trans-1,2-Dichloroethene	61	1.0	ug/L		3/29/02	SW846 8260B
Trichloroethene	63	1.0	ug/L	&	3/29/02	SW846 8260B

REVISED
4-19-02

- Analytical Report -

Project Name : MEDLEY FARMS
Project Number : 71243.12
Field ID : DP 3-1
Lab Sample Number : 920874-018
Lab Project Number : 920874

Submitter : RMT - GREENVILLE
Report Date : 4/19/02
Collection Date : 3/22/02
Matrix Type : GROUNDWATER
WI DNR LAB ID : 113172950

Volatile Organic Results

SPECIAL VOLATILE LIST - WATER

Prep Method: SW846 5030

Prep Date: 3/28/02

Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
1,1,1-Trichloroethane	9.2	5.0	ug/L		3/28/02	SW846 8260B
1,1,2-Trichloroethane	< 5.0	5.0	ug/L		3/28/02	SW846 8260B
1,1-Dichloroethane	< 5.0	5.0	ug/L		3/28/02	SW846 8260B
1,1-Dichloroethene	33	5.0	ug/L		3/28/02	SW846 8260B
1,2-Dichloroethane	3.0	5.0	ug/L	J	3/28/02	SW846 8260B
2-Butanone	< 25	25	ug/L		3/28/02	SW846 8260B
Acetone	< 25	25	ug/L		3/28/02	SW846 8260B
Benzene	< 5.0	5.0	ug/L		3/28/02	SW846 8260B
Chloroform	83	5.0	ug/L		3/28/02	SW846 8260B
Chloromethane	< 10	10	ug/L		3/28/02	SW846 8260B
cis-1,2-Dichloroethene	10	5.0	ug/L		3/28/02	SW846 8260B
Methylene chloride	< 5.0	5.0	ug/L		3/28/02	SW846 8260B
Tetrachloroethene	160	5.0	ug/L		3/28/02	SW846 8260B
trans-1,2-Dichloroethene	< 5.0	5.0	ug/L		3/28/02	SW846 8260B
Trichloroethene	380	5.0	ug/L	&	3/28/02	SW846 8260B

REVISED
4-19-02

- Analytical Report -

Project Name : MEDLEY FARMS

Submitter : RMT - GREENVILLE

Project Number : 71243.12

Report Date : 4/19/02

Field ID : DP 3-1MS

Collection Date : 3/22/02

Lab Sample Number : 920874-019

Matrix Type : GROUNDWATER

Lab Project Number : 920874

WI DNR LAB ID : 113172950

Volatile Organic Results

SPECIAL VOLATILE LIST - WATER

Prep Method: SW846 5030

Prep Date: 3/29/02

Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
1,1,1-Trichloroethane	310	5.0	ug/L		3/29/02	SW846 8260B
1,1,2-Trichloroethane	280	5.0	ug/L		3/29/02	SW846 8260B
1,1-Dichloroethane	290	5.0	ug/L		3/29/02	SW846 8260B
1,1-Dichloroethene	340	5.0	ug/L		3/29/02	SW846 8260B
1,2-Dichloroethane	290	5.0	ug/L		3/29/02	SW846 8260B
2-Butanone	230	25	ug/L		3/29/02	SW846 8260B
Acetone	210	25	ug/L		3/29/02	SW846 8260B
Benzene	300	5.0	ug/L		3/29/02	SW846 8260B
Chloroform.	370	5.0	ug/L		3/29/02	SW846 8260B
Chloromethane	250	10	ug/L		3/29/02	SW846 8260B
cis-1,2-Dichloroethene	300	5.0	ug/L		3/29/02	SW846 8260B
Methylene chloride	300	5.0	ug/L		3/29/02	SW846 8260B
Tetrachloroethene	440	5.0	ug/L		3/29/02	SW846 8260B
trans-1,2-Dichloroethene	310	5.0	ug/L		3/29/02	SW846 8260B
Trichloroethene	680	5.0	ug/L	&	3/29/02	SW846 8260B

REVISED
4-19-02

- Analytical Report -

Project Name : MEDLEY FARMS

Submitter : RMT - GREENVILLE

Project Number : 71243.12

Report Date : 4/19/02

Field ID : DP 3-1MSD

Collection Date : 3/22/02

Lab Sample Number : 920874-020

Matrix Type : GROUNDWATER

Lab Project Number : 920874

WI DNR LAB ID : 113172950

Volatile Organic Results

SPECIAL VOLATILE LIST - WATER

Prep Method: SW846 5030

Prep Date: 3/29/02

Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
1,1,1-Trichloroethane	300	5.0	ug/L		3/29/02	SW846 8260B
1,1,2-Trichloroethane	290	5.0	ug/L		3/29/02	SW846 8260B
1,1-Dichloroethane	290	5.0	ug/L		3/29/02	SW846 8260B
1,1-Dichloroethene	340	5.0	ug/L		3/29/02	SW846 8260B
1,2-Dichloroethane	290	5.0	ug/L		3/29/02	SW846 8260B
2-Butanone	270	25	ug/L		3/29/02	SW846 8260B
Acetone	220	25	ug/L		3/29/02	SW846 8260B
Benzene	290	5.0	ug/L		3/29/02	SW846 8260B
Chloroform	370	5.0	ug/L		3/29/02	SW846 8260B
Chloromethane	240	10	ug/L		3/29/02	SW846 8260B
cis-1,2-Dichloroethene	290	5.0	ug/L		3/29/02	SW846 8260B
Methylene chloride	300	5.0	ug/L		3/29/02	SW846 8260B
Tetrachloroethene	440	5.0	ug/L		3/29/02	SW846 8260B
trans-1,2-Dichloroethene	300	5.0	ug/L		3/29/02	SW846 8260B
Trichloroethene	700	5.0	ug/L	&	3/29/02	SW846 8260B

REVISED
4-19-02

- Analytical Report -

Project Name : MEDLEY FARMS

Submitter : RMT - GREENVILLE

Project Number : 71243.12

Report Date : 4/19/02

Field ID : DU-02102

Collection Date : 3/22/02

Lab Sample Number : 920874-021

Matrix Type : GROUNDWATER

Lab Project Number : 920874

WI DNR LAB ID : 113172950

Volatile Organic Results

SPECIAL VOLATILE LIST - WATER

Prep Method: SW846 5030

Prep Date: 3/28/02

Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
1,1,1-Trichloroethane	< 1.0	1.0	ug/L		3/28/02	SW846 8260B
1,1,2-Trichloroethane	< 1.0	1.0	ug/L		3/28/02	SW846 8260B
1,1-Dichloroethane	< 1.0	1.0	ug/L		3/28/02	SW846 8260B
1,1-Dichloroethene	2.6	1.0	ug/L		3/28/02	SW846 8260B
1,2-Dichloroethane	< 1.0	1.0	ug/L		3/28/02	SW846 8260B
2-Butanone	< 5.0	5.0	ug/L		3/28/02	SW846 8260B
Acetone	< 5.0	5.0	ug/L		3/28/02	SW846 8260B
Benzene	< 1.0	1.0	ug/L		3/28/02	SW846 8260B
Chloroform	0.72	1.0	ug/L	J	3/28/02	SW846 8260B
Chloromethane	< 2.0	2.0	ug/L		3/28/02	SW846 8260B
cis-1,2-Dichloroethene	2.5	1.0	ug/L		3/28/02	SW846 8260B
Methylene chloride	< 1.0	1.0	ug/L		3/28/02	SW846 8260B
Tetrachloroethene	32	1.0	ug/L		3/28/02	SW846 8260B
trans-1,2-Dichloroethene	< 1.0	1.0	ug/L		3/28/02	SW846 8260B
Trichloroethene	32	1.0	ug/L	&	3/28/02	SW846 8260B

REVISED
4-19-02

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- Analytical Report -

Project Name : MEDLEY FARM

Client : RMT - GREENVILLE

Project Number : 71243.12

Report Date : 6/28/02

WI DNR LAB ID : 113172950

Lab Sample No.	Field ID	Collection Date	Lab Sample No.	Field ID	Collection Date
921884-001	TBLK-02201	6/5/02			
921884-002	MW4-2	6/5/02			
921884-003	BW-202	6/5/02			
921884-004	BW-201	6/5/02			
921884-005	MLW-3-1	6/5/02			
921884-006	MLW-3-2	6/5/02			
921884-007	MLW-3-3	6/5/02			
921884-008	MW2-1	6/6/02			
921884-009	FBLK-02201	6/6/02			
921884-010	MW2-2	6/6/02			
921884-011	BW-108	6/6/02			
921884-012	MW4-1	6/6/02			
921884-013	MW-3D	6/6/02			
921884-014	DP3-1	6/6/02			
921884-015	DU-02201	6/6/02			

I certify that the data contained in this Final Report has been generated and reviewed in accordance with approved methods and Laboratory Standard Operating Procedure. Exceptions, if any, are discussed in the accompanying sample narrative. Release of this final report is authorized by Laboratory management, as is verified by the following signature.

Ellen Loring for Jan Graen 6/29/02
Approval Signature Date

- Analytical Report -

Project Name : MEDLEY FARM
Project Number : 71243.12
Field ID : TBLK-02201
Lab Sample Number : 921884-001
Lab Project Number : 921884

Submitter : RMT - GREENVILLE
Report Date : 6/28/02
Collection Date : 6/5/02
Matrix Type : BLANK
WI DNR LAB ID : 113172950

Volatile Organic Results

SPECIAL VOLATILE LIST - WATER

Prep Method: SW846 5030

Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
1,1,1-Trichloroethane	< 1.0	1.0	ug/L		6/12/02	SW846 8260B
1,1,2-Trichloroethane	< 1.0	1.0	ug/L		6/12/02	SW846 8260B
1,1-Dichloroethane	< 1.0	1.0	ug/L		6/12/02	SW846 8260B
1,1-Dichloroethene	< 1.0	1.0	ug/L		6/12/02	SW846 8260B
1,2-Dichloroethane	< 1.0	1.0	ug/L		6/12/02	SW846 8260B
2-Butanone	< 5.0	5.0	ug/L		6/12/02	SW846 8260B
Acetone	< 5.0	5.0	ug/L		6/12/02	SW846 8260B
Benzene	< 1.0	1.0	ug/L		6/12/02	SW846 8260B
Chloroform	< 1.0	1.0	ug/L		6/12/02	SW846 8260B
Chloromethane	< 2.0	2.0	ug/L		6/12/02	SW846 8260B
cis-1,2-Dichloroethene	< 1.0	1.0	ug/L		6/12/02	SW846 8260B
Methylene chloride	< 1.0	1.0	ug/L		6/12/02	SW846 8260B
Tetrachloroethene	< 1.0	1.0	ug/L		6/12/02	SW846 8260B
trans-1,2-Dichloroethene	< 1.0	1.0	ug/L		6/12/02	SW846 8260B
Trichloroethene	< 1.0	1.0	ug/L		6/12/02	SW846 8260B

- Analytical Report -

Project Name : MEDLEY FARM

Submitter : RMT - GREENVILLE

Project Number : 71243.12

Report Date : 6/28/02

Field ID : MW4-2

Collection Date : 6/5/02

Lab Sample Number : 921884-002

Matrix Type : GROUNDWATER

Lab Project Number : 921884

WI DNR LAB ID : 113172950

Volatile Organic Results

SPECIAL VOLATILE LIST - WATER

Prep Method: SW846 5030

Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
1,1,1-Trichloroethane	< 1.0	1.0	ug/L		6/13/02	SW846 8260B
1,1,2-Trichloroethane	< 1.0	1.0	ug/L		6/13/02	SW846 8260B
1,1-Dichloroethane	< 1.0	1.0	ug/L		6/13/02	SW846 8260B
1,1-Dichloroethene	1.7	1.0	ug/L		6/13/02	SW846 8260B
1,2-Dichloroethane	< 1.0	1.0	ug/L		6/13/02	SW846 8260B
2-Butanone	< 5.0	5.0	ug/L		6/13/02	SW846 8260B
Acetone	< 5.0	5.0	ug/L		6/13/02	SW846 8260B
Benzene	< 1.0	1.0	ug/L		6/13/02	SW846 8260B
Chloroform	8.7	1.0	ug/L		6/13/02	SW846 8260B
Chloromethane	< 2.0	2.0	ug/L		6/13/02	SW846 8260B
cis-1,2-Dichloroethene	1.3	1.0	ug/L		6/13/02	SW846 8260B
Methylene chloride	< 1.0	1.0	ug/L		6/13/02	SW846 8260B
Tetrachloroethene	36	1.0	ug/L		6/13/02	SW846 8260B
trans-1,2-Dichloroethene	< 1.0	1.0	ug/L		6/13/02	SW846 8260B
Trichloroethene	140	1.0	ug/L		6/13/02	SW846 8260B

- Analytical Report -

Project Name : MEDLEY FARM

Submitter : RMT - GREENVILLE

Project Number : 71243.12

Report Date : 6/28/02

Field ID : BW-202

Collection Date : 6/5/02

Lab Sample Number : 921884-003

Matrix Type : GROUNDWATER

Lab Project Number : 921884

WI DNR LAB ID : 113172950

Volatile Organic Results

SPECIAL VOLATILE LIST - WATER

Prep Method: SW846 5030

Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
1,1,1-Trichloroethane	< 1.0	1.0	ug/L		6/12/02	SW846 8260B
1,1,2-Trichloroethane	< 1.0	1.0	ug/L		6/12/02	SW846 8260B
1,1-Dichloroethane	< 1.0	1.0	ug/L		6/12/02	SW846 8260B
1,1-Dichloroethene	< 1.0	1.0	ug/L		6/12/02	SW846 8260B
1,2-Dichloroethane	< 1.0	1.0	ug/L		6/12/02	SW846 8260B
2-Butanone	< 5.0	5.0	ug/L		6/12/02	SW846 8260B
Acetone	< 5.0	5.0	ug/L		6/12/02	SW846 8260B
Benzene	< 1.0	1.0	ug/L		6/12/02	SW846 8260B
Chloroform	< 1.0	1.0	ug/L		6/12/02	SW846 8260B
Chloromethane	< 2.0	2.0	ug/L	N	6/12/02	SW846 8260B
cis-1,2-Dichloroethene	< 1.0	1.0	ug/L		6/12/02	SW846 8260B
Methylene chloride	< 1.0	1.0	ug/L		6/12/02	SW846 8260B
Tetrachloroethene	2.5	1.0	ug/L		6/12/02	SW846 8260B
trans-1,2-Dichloroethene	< 1.0	1.0	ug/L		6/12/02	SW846 8260B
Trichloroethene	0.78	1.0	ug/L	J	6/12/02	SW846 8260B

- Analytical Report -

Project Name : MEDLEY FARM

Submitter : RMT - GREENVILLE

Project Number : 71243.12

Report Date : 6/28/02

Field ID : BW-201

Collection Date : 6/5/02

Lab Sample Number : 921884-004

Matrix Type : GROUNDWATER

Lab Project Number : 921884

WI DNR LAB ID : 113172950

Volatile Organic Results

SPECIAL VOLATILE LIST - WATER

Prep Method: SW846 5030

Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
1,1,1-Trichloroethane	< 1.0	1.0	ug/L		6/12/02	SW846 8260B
1,1,2-Trichloroethane	< 1.0	1.0	ug/L		6/12/02	SW846 8260B
1,1-Dichloroethane	< 1.0	1.0	ug/L		6/12/02	SW846 8260B
1,1-Dichloroethene	< 1.0	1.0	ug/L		6/12/02	SW846 8260B
1,2-Dichloroethane	< 1.0	1.0	ug/L		6/12/02	SW846 8260B
2-Butanone	< 5.0	5.0	ug/L		6/12/02	SW846 8260B
Acetone	< 5.0	5.0	ug/L		6/12/02	SW846 8260B
Benzene	< 1.0	1.0	ug/L		6/12/02	SW846 8260B
Chloroform	< 1.0	1.0	ug/L		6/12/02	SW846 8260B
Chloromethane	< 2.0	2.0	ug/L		6/12/02	SW846 8260B
cis-1,2-Dichloroethene	0.69	1.0	ug/L	J	6/12/02	SW846 8260B
Methylene chloride	< 1.0	1.0	ug/L		6/12/02	SW846 8260B
Tetrachloroethene	2.2	1.0	ug/L		6/12/02	SW846 8260B
trans-1,2-Dichloroethene	< 1.0	1.0	ug/L		6/12/02	SW846 8260B
Trichloroethene	3.4	1.0	ug/L		6/12/02	SW846 8260B

- Analytical Report -

Project Name : MEDLEY FARM

Submitter : RMT - GREENVILLE

Project Number : 71243.12

Report Date : 6/28/02

Field ID : MLW-3-1

Collection Date : 6/5/02

Lab Sample Number : 921884-005

Matrix Type : GROUNDWATER

Lab Project Number : 921884

WI DNR LAB ID : 113172950

Volatile Organic Results

SPECIAL VOLATILE LIST - WATER

Prep Method: SW846 5030

Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
1,1,1-Trichloroethane	< 1.0	1.0	ug/L		6/12/02	SW846 8260B
1,1,2-Trichloroethane	< 1.0	1.0	ug/L		6/12/02	SW846 8260B
1,1-Dichloroethane	< 1.0	1.0	ug/L		6/12/02	SW846 8260B
1,1-Dichloroethene	< 1.0	1.0	ug/L		6/12/02	SW846 8260B
1,2-Dichloroethane	< 1.0	1.0	ug/L		6/12/02	SW846 8260B
2-Butanone	10	5.0	ug/L		6/12/02	SW846 8260B
Acetone	25	5.0	ug/L		6/12/02	SW846 8260B
Benzene	< 1.0	1.0	ug/L		6/12/02	SW846 8260B
Chloroform	< 1.0	1.0	ug/L		6/12/02	SW846 8260B
Chloromethane	< 2.0	2.0	ug/L		6/12/02	SW846 8260B
cis-1,2-Dichloroethene	< 1.0	1.0	ug/L		6/12/02	SW846 8260B
Methylene chloride	< 1.0	1.0	ug/L		6/12/02	SW846 8260B
Tetrachloroethene	2.4	1.0	ug/L		6/12/02	SW846 8260B
trans-1,2-Dichloroethene	< 1.0	1.0	ug/L		6/12/02	SW846 8260B
Trichloroethene	6.1	1.0	ug/L		6/12/02	SW846 8260B

- Analytical Report -

Project Name : MEDLEY FARM

Submitter : RMT - GREENVILLE

Project Number : 71243.12

Report Date : 6/28/02

Field ID : MLW-3-2

Collection Date : 6/5/02

Lab Sample Number : 921884-006

Matrix Type : GROUNDWATER

Lab Project Number : 921884

WI DNR LAB ID : 113172950

Volatile Organic Results

SPECIAL VOLATILE LIST - WATER

Prep Method: SW846 5030

Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
1,1,1-Trichloroethane	< 1.0	1.0	ug/L		6/12/02	SW846 8260B
1,1,2-Trichloroethane	< 1.0	1.0	ug/L		6/12/02	SW846 8260B
1,1-Dichloroethane	< 1.0	1.0	ug/L		6/12/02	SW846 8260B
1,1-Dichloroethene	< 1.0	1.0	ug/L		6/12/02	SW846 8260B
1,2-Dichloroethane	< 1.0	1.0	ug/L		6/12/02	SW846 8260B
2-Butanone	5.6	5.0	ug/L		6/12/02	SW846 8260B
Acetone	18	5.0	ug/L		6/12/02	SW846 8260B
Benzene	< 1.0	1.0	ug/L		6/12/02	SW846 8260B
Chloroform	< 1.0	1.0	ug/L		6/12/02	SW846 8260B
Chloromethane	< 2.0	2.0	ug/L		6/12/02	SW846 8260B
cis-1,2-Dichloroethene	< 1.0	1.0	ug/L		6/12/02	SW846 8260B
Methylene chloride	< 1.0	1.0	ug/L		6/12/02	SW846 8260B
Tetrachloroethene	0.48	1.0	ug/L	J	6/12/02	SW846 8260B
trans-1,2-Dichloroethene	< 1.0	1.0	ug/L		6/12/02	SW846 8260B
Trichloroethene	2.4	1.0	ug/L		6/12/02	SW846 8260B

- Analytical Report -

Project Name : MEDLEY FARM

Submitter : RMT - GREENVILLE

Project Number : 71243.12

Report Date : 6/28/02

Field ID : MLW-3-3

Collection Date : 6/5/02

Lab Sample Number : 921884-007

Matrix Type : GROUNDWATER

Lab Project Number : 921884

WI DNR LAB ID : 113172950

Volatile Organic Results

SPECIAL VOLATILE LIST - WATER

Prep Method: SW846 5030

Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
1,1,1-Trichloroethane	< 1.0	1.0	ug/L		6/12/02	SW846 8260B
1,1,2-Trichloroethane	< 1.0	1.0	ug/L		6/12/02	SW846 8260B
1,1-Dichloroethane	< 1.0	1.0	ug/L		6/12/02	SW846 8260B
1,1-Dichloroethene	< 1.0	1.0	ug/L		6/12/02	SW846 8260B
1,2-Dichloroethane	< 1.0	1.0	ug/L		6/12/02	SW846 8260B
2-Butanone	1.3	5.0	ug/L	J	6/12/02	SW846 8260B
Acetone	3.9	5.0	ug/L	J	6/12/02	SW846 8260B
Benzene	< 1.0	1.0	ug/L		6/12/02	SW846 8260B
Chloroform	< 1.0	1.0	ug/L		6/12/02	SW846 8260B
Chloromethane	1.9	2.0	ug/L	J	6/12/02	SW846 8260B
cis-1,2-Dichloroethene	< 1.0	1.0	ug/L		6/12/02	SW846 8260B
Methylene chloride	< 1.0	1.0	ug/L		6/12/02	SW846 8260B
Tetrachloroethene	2.4	1.0	ug/L		6/12/02	SW846 8260B
trans-1,2-Dichloroethene	< 1.0	1.0	ug/L		6/12/02	SW846 8260B
Trichloroethene	6.9	1.0	ug/L		6/12/02	SW846 8260B

- Analytical Report -

Project Name : MEDLEY FARM

Submitter : RMT - GREENVILLE

Project Number : 71243.12

Report Date : 6/28/02

Field ID : MW2-1

Collection Date : 6/6/02

Lab Sample Number : 921884-008

Matrix Type : GROUNDWATER

Lab Project Number : 921884

WI DNR LAB ID : 113172950

Volatile Organic Results

SPECIAL VOLATILE LIST - WATER

Prep Method: SW846 5030

Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
1,1,1-Trichloroethane	0.72	1.0	ug/L	J	6/12/02	SW846 8260B
1,1,2-Trichloroethane	< 1.0	1.0	ug/L		6/12/02	SW846 8260B
1,1-Dichloroethane	0.63	1.0	ug/L	J	6/12/02	SW846 8260B
1,1-Dichloroethene	13	1.0	ug/L		6/12/02	SW846 8260B
1,2-Dichloroethane	2.1	1.0	ug/L		6/12/02	SW846 8260B
2-Butanone	< 5.0	5.0	ug/L		6/12/02	SW846 8260B
Acetone	< 5.0	5.0	ug/L		6/12/02	SW846 8260B
Benzene	< 1.0	1.0	ug/L		6/12/02	SW846 8260B
Chloroform	1.6	1.0	ug/L		6/12/02	SW846 8260B
Chloromethane	< 2.0	2.0	ug/L		6/12/02	SW846 8260B
cis-1,2-Dichloroethene	1.7	1.0	ug/L		6/12/02	SW846 8260B
Methylene chloride	< 1.0	1.0	ug/L		6/12/02	SW846 8260B
Tetrachloroethene	14	1.0	ug/L		6/12/02	SW846 8260B
trans-1,2-Dichloroethene	< 1.0	1.0	ug/L		6/12/02	SW846 8260B
Trichloroethene	29	1.0	ug/L		6/12/02	SW846 8260B

- Analytical Report -

Project Name : MEDLEY FARM

Submitter : RMT - GREENVILLE

Project Number : 71243.12

Report Date : 6/28/02

Field ID : FBLK-02201

Collection Date : 6/6/02

Lab Sample Number : 921884-009

Matrix Type : WATER

Lab Project Number : 921884

WI DNR LAB ID : 113172950

Volatile Organic Results

SPECIAL VOLATILE LIST - WATER

Prep Method: SW846 5030

Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
1,1,1-Trichloroethane	< 1.0	1.0	ug/L		6/12/02	SW846 8260B
1,1,2-Trichloroethane	< 1.0	1.0	ug/L		6/12/02	SW846 8260B
1,1-Dichloroethane	< 1.0	1.0	ug/L		6/12/02	SW846 8260B
1,1-Dichloroethene	< 1.0	1.0	ug/L		6/12/02	SW846 8260B
1,2-Dichloroethane	< 1.0	1.0	ug/L		6/12/02	SW846 8260B
2-Butanone	< 5.0	5.0	ug/L		6/12/02	SW846 8260B
Acetone	36	5.0	ug/L		6/12/02	SW846 8260B
Benzene	< 1.0	1.0	ug/L		6/12/02	SW846 8260B
Chloroform	< 1.0	1.0	ug/L		6/12/02	SW846 8260B
Chloromethane	< 2.0	2.0	ug/L		6/12/02	SW846 8260B
cis-1,2-Dichloroethene	< 1.0	1.0	ug/L		6/12/02	SW846 8260B
Methylene chloride	< 1.0	1.0	ug/L		6/12/02	SW846 8260B
Tetrachloroethene	< 1.0	1.0	ug/L		6/12/02	SW846 8260B
trans-1,2-Dichloroethene	< 1.0	1.0	ug/L		6/12/02	SW846 8260B
Trichloroethene	< 1.0	1.0	ug/L		6/12/02	SW846 8260B

- Analytical Report -

Project Name : MEDLEY FARM

Submitter : RMT - GREENVILLE

Project Number : 71243.12

Report Date : 6/28/02

Field ID : MW2-2

Collection Date : 6/6/02

Lab Sample Number : 921884-010

Matrix Type : GROUNDWATER

Lab Project Number : 921884

WI DNR LAB ID : 113172950

Volatile Organic Results

SPECIAL VOLATILE LIST - WATER

Prep Method: SW846 5030

Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
1,1,1-Trichloroethane	1.4	1.0	ug/L		6/12/02	SW846 8260B
1,1,2-Trichloroethane	< 1.0	1.0	ug/L		6/12/02	SW846 8260B
1,1-Dichloroethane	< 1.0	1.0	ug/L		6/12/02	SW846 8260B
1,1-Dichloroethene	5.1	1.0	ug/L		6/12/02	SW846 8260B
1,2-Dichloroethane	1.1	1.0	ug/L		6/12/02	SW846 8260B
2-Butanone	< 5.0	5.0	ug/L		6/12/02	SW846 8260B
Acetone	< 5.0	5.0	ug/L		6/12/02	SW846 8260B
Benzene	< 1.0	1.0	ug/L		6/12/02	SW846 8260B
Chloroform	7.0	1.0	ug/L		6/12/02	SW846 8260B
Chloromethane	< 2.0	2.0	ug/L		6/12/02	SW846 8260B
cis-1,2-Dichloroethene	3.5	1.0	ug/L		6/12/02	SW846 8260B
Methylene chloride	< 1.0	1.0	ug/L		6/12/02	SW846 8260B
Tetrachloroethene	19	1.0	ug/L		6/12/02	SW846 8260B
trans-1,2-Dichloroethene	< 1.0	1.0	ug/L		6/12/02	SW846 8260B
Trichloroethene	54	1.0	ug/L		6/12/02	SW846 8260B

- Analytical Report -

Project Name : MEDLEY FARM

Submitter : RMT - GREENVILLE

Project Number : 71243.12

Report Date : 6/28/02

Field ID : BW-108

Collection Date : 6/6/02

Lab Sample Number : 921884-011

Matrix Type : GROUNDWATER

Lab Project Number : 921884

WI DNR LAB ID : 113172950

Volatile Organic Results

SPECIAL VOLATILE LIST - WATER

Prep Method: SW846 5030

Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
1,1,1-Trichloroethane	< 1.0	1.0	ug/L		6/12/02	SW846 8260B
1,1,2-Trichloroethane	< 1.0	1.0	ug/L		6/12/02	SW846 8260B
1,1-Dichloroethane	< 1.0	1.0	ug/L		6/12/02	SW846 8260B
1,1-Dichloroethene	0.65	1.0	ug/L	J	6/12/02	SW846 8260B
1,2-Dichloroethane	< 1.0	1.0	ug/L		6/12/02	SW846 8260B
2-Butanone	< 5.0	5.0	ug/L		6/12/02	SW846 8260B
Acetone	< 5.0	5.0	ug/L		6/12/02	SW846 8260B
Benzene	< 1.0	1.0	ug/L		6/12/02	SW846 8260B
Chloroform	< 1.0	1.0	ug/L		6/12/02	SW846 8260B
Chloromethane	< 2.0	2.0	ug/L		6/12/02	SW846 8260B
cis-1,2-Dichloroethene	0.59	1.0	ug/L	J	6/12/02	SW846 8260B
Methylene chloride	< 1.0	1.0	ug/L		6/12/02	SW846 8260B
Tetrachloroethene	2.1	1.0	ug/L		6/12/02	SW846 8260B
trans-1,2-Dichloroethene	< 1.0	1.0	ug/L		6/12/02	SW846 8260B
Trichloroethene	3.1	1.0	ug/L		6/12/02	SW846 8260B

- Analytical Report -

Project Name : MEDLEY FARM

Submitter : RMT - GREENVILLE

Project Number : 71243.12

Report Date : 6/28/02

Field ID : MW4-1

Collection Date : 6/6/02

Lab Sample Number : 921884-012

Matrix Type : GROUNDWATER

Lab Project Number : 921884

WI DNR LAB ID : 113172950

Volatile Organic Results

SPECIAL VOLATILE LIST - WATER

Prep Method: SW846 5030

Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
1,1,1-Trichloroethane	0.89	1.0	ug/L	J	6/12/02	SW846 8260B
1,1,2-Trichloroethane	22	1.0	ug/L		6/12/02	SW846 8260B
1,1-Dichloroethane	< 1.0	1.0	ug/L		6/12/02	SW846 8260B
1,1-Dichloroethene	5.8	1.0	ug/L		6/12/02	SW846 8260B
1,2-Dichloroethane	1.4	1.0	ug/L		6/12/02	SW846 8260B
2-Butanone	< 5.0	5.0	ug/L		6/12/02	SW846 8260B
Acetone	< 5.0	5.0	ug/L		6/12/02	SW846 8260B
Benzene	< 1.0	1.0	ug/L		6/12/02	SW846 8260B
Chloroform	57	1.0	ug/L		6/12/02	SW846 8260B
Chloromethane	< 2.0	2.0	ug/L		6/12/02	SW846 8260B
cis-1,2-Dichloroethene	1.3	1.0	ug/L		6/12/02	SW846 8260B
Methylene chloride	< 1.0	1.0	ug/L		6/12/02	SW846 8260B
Tetrachloroethene	89	1.0	ug/L		6/12/02	SW846 8260B
trans-1,2-Dichloroethene	< 1.0	1.0	ug/L		6/12/02	SW846 8260B
Trichloroethene	170	2.0	ug/L	D	6/13/02	SW846 8260B

- Analytical Report -

Project Name : MEDLEY FARM

Submitter : RMT - GREENVILLE

Project Number : 71243.12

Report Date : 6/28/02

Field ID : MW-3D

Collection Date : 6/6/02

Lab Sample Number : 921884-013

Matrix Type : GROUNDWATER

Lab Project Number : 921884

WI DNR LAB ID : 113172950

Volatile Organic Results

SPECIAL VOLATILE LIST - WATER

Prep Method: SW846 5030

Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
1,1,1-Trichloroethane	< 1.0	1.0	ug/L		6/12/02	SW846 8260B
1,1,2-Trichloroethane	< 1.0	1.0	ug/L		6/12/02	SW846 8260B
1,1-Dichloroethane	< 1.0	1.0	ug/L		6/12/02	SW846 8260B
1,1-Dichloroethene	2.1	1.0	ug/L		6/12/02	SW846 8260B
1,2-Dichloroethane	< 1.0	1.0	ug/L		6/12/02	SW846 8260B
2-Butanone	< 5.0	5.0	ug/L		6/12/02	SW846 8260B
Acetone	< 5.0	5.0	ug/L		6/12/02	SW846 8260B
Benzene	< 1.0	1.0	ug/L		6/12/02	SW846 8260B
Chloroform	0.65	1.0	ug/L	J	6/12/02	SW846 8260B
Chloromethane	< 2.0	2.0	ug/L		6/12/02	SW846 8260B
cis-1,2-Dichloroethene	2.1	1.0	ug/L		6/12/02	SW846 8260B
Methylene chloride	< 1.0	1.0	ug/L		6/12/02	SW846 8260B
Tetrachloroethene	28	1.0	ug/L		6/12/02	SW846 8260B
trans-1,2-Dichloroethene	< 1.0	1.0	ug/L		6/12/02	SW846 8260B
Trichloroethene	26	1.0	ug/L		6/12/02	SW846 8260B

- Analytical Report -

Project Name : MEDLEY FARM

Submitter : RMT - GREENVILLE

Project Number : 71243.12

Report Date : 6/28/02

Field ID : DP3-1

Collection Date : 6/6/02

Lab Sample Number : 921884-014

Matrix Type : GROUNDWATER

Lab Project Number : 921884

WI DNR LAB ID : 113172950

Volatile Organic Results

SPECIAL VOLATILE LIST - WATER

Prep Method: SW846 5030

Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
1,1,1-Trichloroethane	10	1.0	ug/L		6/17/02	SW846 8260B
1,1,2-Trichloroethane	< 1.0	1.0	ug/L		6/17/02	SW846 8260B
1,1-Dichloroethane	< 1.0	1.0	ug/L		6/17/02	SW846 8260B
1,1-Dichloroethene	37	1.0	ug/L		6/17/02	SW846 8260B
1,2-Dichloroethane	1.6	1.0	ug/L		6/17/02	SW846 8260B
2-Butanone	< 5.0	5.0	ug/L		6/17/02	SW846 8260B
Acetone	< 5.0	5.0	ug/L		6/17/02	SW846 8260B
Benzene	< 1.0	1.0	ug/L		6/17/02	SW846 8260B
Chloroform	77	1.0	ug/L		6/17/02	SW846 8260B
Chloromethane	< 2.0	2.0	ug/L		6/17/02	SW846 8260B
cis-1,2-Dichloroethene	12	1.0	ug/L		6/17/02	SW846 8260B
Methylene chloride	< 1.0	1.0	ug/L		6/17/02	SW846 8260B
Tetrachloroethene	170	1.0	ug/L		6/17/02	SW846 8260B
trans-1,2-Dichloroethene	< 1.0	1.0	ug/L		6/17/02	SW846 8260B
Trichloroethene	310	2.0	ug/L	D	6/19/02	SW846 8260B

- Analytical Report -

Project Name : MEDLEY FARM

Submitter : RMT - GREENVILLE

Project Number : 71243.12

Report Date : 6/28/02

Field ID : DU-02201

Collection Date : 6/13/02

Lab Sample Number : 921884-015

Matrix Type : GROUNDWATER

Lab Project Number : 921884

WI DNR LAB ID : 113172950

Volatile Organic Results

SPECIAL VOLATILE LIST - WATER

Prep Method: SW846 5030

Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
1,1,1-Trichloroethane	< 1.0	1.0	ug/L		6/13/02	SW846 8260B
1,1,2-Trichloroethane	< 1.0	1.0	ug/L		6/13/02	SW846 8260B
1,1-Dichloroethane	< 1.0	1.0	ug/L		6/13/02	SW846 8260B
1,1-Dichloroethene	0.73	1.0	ug/L	J	6/13/02	SW846 8260B
1,2-Dichloroethane	< 1.0	1.0	ug/L		6/13/02	SW846 8260B
2-Butanone	< 5.0	5.0	ug/L		6/13/02	SW846 8260B
Acetone	< 5.0	5.0	ug/L		6/13/02	SW846 8260B
Benzene	< 1.0	1.0	ug/L		6/13/02	SW846 8260B
Chloroform	< 1.0	1.0	ug/L		6/13/02	SW846 8260B
Chloromethane	< 2.0	2.0	ug/L		6/13/02	SW846 8260B
cis-1,2-Dichloroethene	0.64	1.0	ug/L	J	6/13/02	SW846 8260B
Methylene chloride	< 1.0	1.0	ug/L		6/13/02	SW846 8260B
Tetrachloroethene	2.0	1.0	ug/L		6/13/02	SW846 8260B
trans-1,2-Dichloroethene	< 1.0	1.0	ug/L		6/13/02	SW846 8260B
Trichloroethene	3.1	1.0	ug/L		6/13/02	SW846 8260B

Organic Data Qualifiers

- B Analyte is present in the method blank. Method blank criteria is evaluated to the laboratory method detection limit. Additionally, method blank acceptance may be based on project specific criteria or determined from analyte concentrations in the sample and are evaluated on a sample by sample basis.
- C Elevated detection limit (see Sample Narrative).
- D Analyte value from diluted analysis, or surrogate result not applicable due to sample dilution.
- E Analyte concentration exceeds calibration range (see Sample Narrative).
- F Surrogate results outside control criteria.
- H(n) Extraction or analysis performed "n" days past holding time.
- J Qualitative evidence of analyte present: concentration detected is greater than the method detection limit but less than the reporting limit.
- K Detection limit may be elevated due to the presence of an unrequested analyte.
- N Spiked sample recovery not within control limits.
- P The relative percent difference between the two columns for detected concentrations was greater than 40%.
- Q The analyte has been detected between the limit of detection (LOD) and limit of quantitation (LOQ). The results are qualified due to the uncertainty of analyte concentrations within this range.
- S The relative percent difference between quantitation and confirmation columns exceeds internal quality control criteria. Because the result is unconfirmed, it has been reported as a non-detect with an elevated detection limit.
- U The analyte was not detected above the reporting limit.
- W Sample received with headspace.
- X See Sample Narrative.
- & Laboratory Control Spike recovery not within control limits.
- * Duplicate analyses not within control limits.
- SUB1 Assay was subcontracted to an approved lab.
- SUB2 Assay was subcontracted to En Chem Green Bay WI Cert. #405132750.

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888-5-ENCHEM

EN CHEM SAMPLE NARRATIVE

PROJECT NAME : MEDLEY FARMS
WORKORDER NUMBER : 921884
DATE : 06/21/02

VOLATILE ORGANICS:

Sample BW-202 has Chloromethane qualified with an "N" qualifier because it is associated to a Matrix Spike/Matrix Spike Duplicate (MS/MSD) that had recoveries outside of the laboratory control limits. Data for this analyte is qualified, without further corrective action, because the laboratory SOP allows a limited number of analytes to be outside of the control limits based on the number of analytes spiked.



CHAIN OF CUSTODY RECORD

No 73803

100 Verdae Boulevard, P.O. Box 16778 • Greenville, SC 29606-6778 • Phone (864) 281-0030 • Fax (864) 281-0288

Project No.	Project/Client:
71243.12	Medley Farm
Project Manager/Contact Person:	
S. Webb	Harry Morris

Lab No.	Yr. Date	Time	Sample Station ID	Total Number Of Containers	MATRIX	Filtered (Yes/No)	Preserved (Code)	Comments:
						Analyses Requested		
-001	—	—	TBLK-02201	3	DI	X		
-002	6/5	1245	MW4-2	3	GW	X		
-003	/	1320	BW-202	3	/	X		
-004	/	1415	BW-201	3	/	X		
-005	1515		MLW-3-1	3	/	X		
-006	1445		MLW-3-2	3	/	X		
-007	1500		MLW-3-3	3	/	X		
-008	6/6	1015	MW2-1	3	/	X		
-009	/	1110	FBLK-02201	3	DI	X		
-010	/	1100	MW2-2	3	GW	X		

SPECIAL INSTRUCTIONS

SAMPLER Relinquished by (Sig.) 	Date/Time 6-7-02	Received by (Sig.) Airborne	Date/Time 6-7-02	HAZARDS ASSOCIATED WITH SAMPLES	Turn Around (circle one) Report Due _____	Normal	Rush
Relinquished by (Sig.) Airborne	Date/Time 6/8/02 1045	Received by (Sig.) 	Date/Time 6/8/02 1045	<input type="checkbox"/> Flammable <input type="checkbox"/> Corrosive <input type="checkbox"/> Highly Toxic <input type="checkbox"/> Other (list) _____	(For Lab Use Only)		
Relinquished by (Sig.) 	Date/Time	Received by (Sig.)	Date/Time	Receipt Temp: 3°C Temp Blank Y <input checked="" type="radio"/> N ROI	Receipt pH (Wet/Metals)	N/A	
Custody Seal: <input checked="" type="radio"/> Present/Absent <input checked="" type="radio"/> Intact/Not Intact Seal #'s							



CHAIN OF CUSTODY RECORD

No 73804

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Project No. 71243.12 Project/Client: Medley Farm

Project Manager/Contact Person

S. Webb / Harry Morris

Lab No.	Yr.	Date	Time	Sample Station ID	Total Number Of Containers	MATRIX	Filtered (Yes/No)	N
							Preserved (Code)	E
C721884	02							
-011	6/6	1225		BW-108	3	GW	X	
-012		1435		MW4-1	3	/	X	
-013		1525		MW-3D	3	/	X	
-014		1545		DP3-1	3	/	X	
-015	—	—		DU-02201	3	GW	X	

Analyses Requested
VOC

Comments:

PRESERVED CODES
 A - NONE
 B - HNO₃
 C - H₂SO₄
 D - NaOH
 E - HCl
 F - METHANOL
 G - _____

SPECIAL INSTRUCTIONS

SAMPLER Relinquished by (Sig.) <i>J. Coll</i>	Date/Time 6-7-02	Received by (Sig.) Airborne	Date/Time 6-7-02	HAZARDS ASSOCIATED WITH SAMPLES <input type="checkbox"/> Flammable <input type="checkbox"/> Corrosive <input type="checkbox"/> Highly Toxic <input type="checkbox"/> Other (list) _____	Turn Around (circle one) Normal	Rush
Relinquished by (Sig.) Airborne	Date/Time 6-18-02 1045	Received by (Sig.) <i>John Morris</i>	Date/Time 6-18-02 1045		Report Due _____	(For Lab Use Only)
Relinquished by (Sig.) <i>John Morris</i>	Date/Time 6-18-02 1045	Received by (Sig.) Airborne	Date/Time 6-18-02 1045		Receipt Temp: 3°C Temp Blank Y <input checked="" type="checkbox"/> N Rat _____	Receipt pH (Wet/Metals) N/A
Custody Seal: <input checked="" type="checkbox"/> Present/Absent <input checked="" type="checkbox"/> Intact/Not Intact Seal #'s						

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Madison, WI 53711
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- Analytical Report -

Project Name : MEDLEY FARM

Project Number : 71243.12

Client: RMT - GREENVILLE

South Carolina Cert# : 83006001

Sample No.	Field ID	Collection Date	Sample No.	Field ID	Collection Date
824875-001	TBLK-02301	8/13/2002			
824875-002	MW4-2	8/13/2002			
824875-003	BW-201	8/13/2002			
824875-004	BW-202	8/13/2002			
824875-005	MLW3-1	8/13/2002			
824875-006	MLW3-2	8/13/2002			
824875-007	MLW3-3	8/13/2002			
824875-008	DP3-1	8/13/2002			
824875-009	MW2-1	8/14/2002			
824875-010	MW2-2	8/14/2002			
824875-011	BW-108	8/14/2002			
824875-012	MW4-1	8/14/2002			
824875-013	MW-3D	8/14/2002			
824875-014	FBLK-02301	8/14/2002			
824875-015	DU-02301	8/14/2002			

Please visit our Internet homepage at: www.enchem.com

The "J" flag is present when a parameter has been detected below the EQL but at or above the MDL.

Soil VOC detects are corrected for the total solids, unless otherwise noted.

I certify that the data contained in this Final Report has been generated and reviewed in accordance with approved methods and Laboratory Standard Operating Procedure. Exceptions, if any, are discussed in the accompanying sample comments. Release of this final report is authorized by Laboratory management, as is verified by the following signature. Reported results shall not be reproduced, except in full, without the written approval of the lab. The sample results relate only to the analytes of interest tested.


Approval Signature


Date

QC-WMB, 11-5-02
- HI, temp, COC, pres, method, dil ✓
- TBLK / FBLK ✓
- Level 2 QC ✓

DU-02301 = MW2-2, RPD ✓

En Chem, Inc. Cooler Receipt Log

Batch No. 824875

Project Name or ID 71243.12

No. of Coolers: 1 Temps: 142

A. Receipt Phase: Date cooler was opened: 8/16/02 By: LR

- 1: Were samples received on ice? (Must be ≤ 6 C) YES NO²
2. Was there a Temperature Blank? YES NO
- 3: Were custody seals present and intact? (Record on COC) YES NO
- 4: Are COC documents present? YES NO²
- 5: Does this Project require quick turn around analysis? YES NO
- 6: Is there any sub-work? YES NO
- 7: Are there any short hold time tests? YES NO
- 8: Are any samples nearing expiration of hold-time? (Within 2 days) YES¹ Contacted by/Who _____
- 9: Do any samples need to be Filtered or Preserved in the lab? YES¹ Contacted by/Who _____

B. Check-in Phase: Date samples were Checked-in: 8/16/02 By: LR

- 1: Were all sample containers listed on the COC received and intact? YES NO² NA
- 2: Sign the COC as received by En Chem. Completed YES NO
- 3: Do sample labels match the COC? YES NO²
- 4: Check sample pH of preserved samples. (Not VOCs) Completed YES NO
- 5: Do samples have correct chemical preservation? YES NO² NA
- 6: Are dissolved parameters field filtered? YES NO² NA
- 7: Are sample volumes adequate for tests requested? YES NO²
- 8: Are VOC samples free of bubbles >6mm YES NO² NA
- 9: Enter samples into logbook. Completed YES NO
- 10: Place laboratory sample number on all containers and COC. Completed YES NO NA
- 11: Complete Laboratory Tracking Sheet (LTS). Completed YES NO NA
- 12: Start Nonconformance form. YES NO NA
- 13: Initiate Subcontracting procedure. Completed YES NO NA
- 14: Check laboratory sample number on all containers and COC. 8/16/02 YES NO NA

Short Hold-time tests:

48 Hours or less	7 days	Footnotes
Coliform (6 hrs)	Flashpoint	1 Notify proper lab group immediately.
Hexavalent Chromium (24 Hrs)	TSS	2 Complete nonconformance memo.
BOD	Total Solids	
Nitrite or Nitrate	TDS	
Low Level Mercury	Sulfide	
Ortho Phosphorus	Free Liquids	
Turbidity	Total Volatile Solids	
Surfactants	Aqueous Extractable Organics- ALL	
Sulfite	Unpreserved VOC's	
En Core Preservation	Ash	
Color		

Rev. 9/5/2001, Attachment to 1-REC-5.
Subject to QA Audit.

Reviewed by/date TMT 8/19/02

- Analytical Report -

Project Name : MEDLEY FARM
Project Number : 71243.12
Lab Sample Number : 824875-001
Station ID : TBLK-02301
WI DNR LAB ID : 113138520

Submitter # : 1000.92
Submitter : RMT - GREENVILLE
Report Date : 8/26/2002
Collection Date : 8/13/2002
Matrix Type : WATER

Volatile Organic Results

SPECIAL VOLATILE LIST - WATER

Prep Method: SW846 5030B

Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
1,1,1-Trichloroethane	< 1.0	1.0	ug/L		8/19/2002	SW846 8260B
1,1,2-Trichloroethane	< 1.0	1.0	ug/L		8/19/2002	SW846 8260B
1,1-Dichloroethane	< 1.0	1.0	ug/L		8/19/2002	SW846 8260B
1,1-Dichloroethene	< 1.0	1.0	ug/L		8/19/2002	SW846 8260B
1,2-Dichloroethane	< 1.0	1.0	ug/L		8/19/2002	SW846 8260B
2-Butanone	< 5.0	5.0	ug/L		8/19/2002	SW846 8260B
Acetone	< 5.0	5.0	ug/L		8/19/2002	SW846 8260B
Benzene	< 1.0	1.0	ug/L		8/19/2002	SW846 8260B
Chloroform	< 1.0	1.0	ug/L		8/19/2002	SW846 8260B
Chloromethane	< 1.0	1.0	ug/L		8/19/2002	SW846 8260B
cis-1,2-Dichloroethene	< 1.0	1.0	ug/L		8/19/2002	SW846 8260B
Methylene chloride	< 1.0	1.0	ug/L		8/19/2002	SW846 8260B
Tetrachloroethene	< 1.0	1.0	ug/L		8/19/2002	SW846 8260B
trans-1,2-Dichloroethene	< 1.0	1.0	ug/L		8/19/2002	SW846 8260B
Trichloroethene	< 1.0	1.0	ug/L		8/19/2002	SW846 8260B

- Analytical Report -

Project Name : MEDLEY FARM

Submitter # : 1000.92

Project Number : 71243.12

Submitter : RMT - GREENVILLE

Lab Sample Number : 824875-002

Report Date : 8/26/2002

Station ID : MW4-2

Collection Date : 8/13/2002

WI DNR LAB ID : 113138520

Matrix Type : WATER

Volatile Organic Results

SPECIAL VOLATILE LIST - WATER

Prep Method: SW846 5030B

Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
1,1,1-Trichloroethane	< 1.0	1.0	ug/L		8/19/2002	SW846 8260B
1,1,2-Trichloroethane	< 1.0	1.0	ug/L		8/19/2002	SW846 8260B
1,1-Dichloroethane	< 1.0	1.0	ug/L		8/19/2002	SW846 8260B
1,1-Dichloroethene	1.2	1.0	ug/L		8/19/2002	SW846 8260B
1,2-Dichloroethane	< 1.0	1.0	ug/L		8/19/2002	SW846 8260B
2-Butanone	< 5.0	5.0	ug/L		8/19/2002	SW846 8260B
Acetone	< 5.0	5.0	ug/L		8/19/2002	SW846 8260B
Benzene	< 1.0	1.0	ug/L		8/19/2002	SW846 8260B
Chloroform	13	1.0	ug/L		8/19/2002	SW846 8260B
Chloromethane	< 1.0	1.0	ug/L		8/19/2002	SW846 8260B
cis-1,2-Dichloroethene	1.5	1.0	ug/L		8/19/2002	SW846 8260B
Methylene chloride	< 1.0	1.0	ug/L		8/19/2002	SW846 8260B
Tetrachloroethene	52	1.0	ug/L		8/19/2002	SW846 8260B
trans-1,2-Dichloroethene	< 1.0	1.0	ug/L		8/19/2002	SW846 8260B
Trichloroethene	200	1.0	ug/L		8/19/2002	SW846 8260B

- Analytical Report -

Project Name : MEDLEY FARM
Project Number : 71243.12
Lab Sample Number : 824875-003
Station ID : BW-201
WI DNR LAB ID : 113138520

Submitter # : 1000.92
Submitter : RMT - GREENVILLE
Report Date : 8/26/2002
Collection Date : 8/13/2002
Matrix Type : WATER

Volatile Organic Results

SPECIAL VOLATILE LIST - WATER

Prep Method: SW846 5030B

Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
1,1,1-Trichloroethane	< 1.0	1.0	ug/L		8/21/2002	SW846 8260B
1,1,2-Trichloroethane	< 1.0	1.0	ug/L		8/21/2002	SW846 8260B
1,1-Dichloroethane	< 1.0	1.0	ug/L		8/21/2002	SW846 8260B
1,1-Dichloroethene	< 1.0	1.0	ug/L		8/21/2002	SW846 8260B
1,2-Dichloroethane	< 1.0	1.0	ug/L		8/21/2002	SW846 8260B
2-Butanone	< 5.0	5.0	ug/L		8/21/2002	SW846 8260B
Acetone	< 5.0	5.0	ug/L		8/21/2002	SW846 8260B
Benzene	< 1.0	1.0	ug/L		8/21/2002	SW846 8260B
Chloroform	< 1.0	1.0	ug/L		8/21/2002	SW846 8260B
Chloromethane	< 1.0	1.0	ug/L		8/21/2002	SW846 8260B
cis-1,2-Dichloroethene	< 1.0	1.0	ug/L		8/21/2002	SW846 8260B
Methylene chloride	< 1.0	1.0	ug/L		8/21/2002	SW846 8260B
Tetrachloroethene	2.1	1.0	ug/L		8/21/2002	SW846 8260B
trans-1,2-Dichloroethene	< 1.0	1.0	ug/L		8/21/2002	SW846 8260B
Trichloroethene	3.4	1.0	ug/L		8/21/2002	SW846 8260B

- Analytical Report -

Project Name : MEDLEY FARM
Project Number : 71243.12
Lab Sample Number : 824875-004
Station ID : BW-202
WI DNR LAB ID : 113138520

Submitter # : 1000.92
Submitter : RMT - GREENVILLE
Report Date : 8/26/2002
Collection Date : 8/13/2002
Matrix Type : WATER

Volatile Organic Results

SPECIAL VOLATILE LIST - WATER

Prep Method: SW846 5030B

Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
1,1,1-Trichloroethane	< 1.0	1.0	ug/L		8/19/2002	SW846 8260B
1,1,2-Trichloroethane	< 1.0	1.0	ug/L		8/19/2002	SW846 8260B
1,1-Dichloroethane	< 1.0	1.0	ug/L		8/19/2002	SW846 8260B
1,1-Dichloroethene	< 1.0	1.0	ug/L		8/19/2002	SW846 8260B
1,2-Dichloroethane	< 1.0	1.0	ug/L		8/19/2002	SW846 8260B
2-Butanone	< 5.0	5.0	ug/L		8/19/2002	SW846 8260B
Acetone	< 5.0	5.0	ug/L		8/19/2002	SW846 8260B
Benzene	< 1.0	1.0	ug/L		8/19/2002	SW846 8260B
Chloroform	< 1.0	1.0	ug/L		8/19/2002	SW846 8260B
Chloromethane	< 1.0	1.0	ug/L		8/19/2002	SW846 8260B
cis-1,2-Dichloroethene	< 1.0	1.0	ug/L		8/19/2002	SW846 8260B
Methylene chloride	< 1.0	1.0	ug/L		8/19/2002	SW846 8260B
Tetrachloroethene	1.2	1.0	ug/L		8/19/2002	SW846 8260B
trans-1,2-Dichloroethene	< 1.0	1.0	ug/L		8/19/2002	SW846 8260B
Trichloroethene	< 1.0	1.0	ug/L		8/19/2002	SW846 8260B

- Analytical Report -

Project Name : MEDLEY FARM

Submitter # : 1000.92

Project Number : 71243.12

Submitter : RMT - GREENVILLE

Lab Sample Number : 824875-005

Report Date : 8/26/2002

Station ID : MLW3-1

Collection Date : 8/13/2002

WI DNR LAB ID : 113138520

Matrix Type : WATER

Volatile Organic Results

Prep Method: SW846 5030B

SPECIAL VOLATILE LIST - WATER

Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
1,1,1-Trichloroethane	< 5.0	5.0	ug/L		8/20/2002	SW846 8260B
1,1,2-Trichloroethane	< 5.0	5.0	ug/L		8/20/2002	SW846 8260B
1,1-Dichloroethane	< 5.0	5.0	ug/L		8/20/2002	SW846 8260B
1,1-Dichloroethene	< 5.0	5.0	ug/L		8/20/2002	SW846 8260B
1,2-Dichloroethane	< 5.0	5.0	ug/L		8/20/2002	SW846 8260B
2-Butanone	100	25	ug/L		8/20/2002	SW846 8260B
Acetone	670	25	ug/L		8/20/2002	SW846 8260B
Benzene	< 5.0	5.0	ug/L		8/20/2002	SW846 8260B
Chloroform	< 5.0	5.0	ug/L		8/20/2002	SW846 8260B
Chloromethane	< 5.0	5.0	ug/L		8/20/2002	SW846 8260B
cis-1,2-Dichloroethene	< 5.0	5.0	ug/L		8/20/2002	SW846 8260B
Methylene chloride	< 5.0	5.0	ug/L		8/20/2002	SW846 8260B
Tetrachloroethene	5.1	5.0	ug/L		8/20/2002	SW846 8260B
trans-1,2-Dichloroethene	< 5.0	5.0	ug/L		8/20/2002	SW846 8260B
Trichloroethene	< 5.0	5.0	ug/L		8/20/2002	SW846 8260B

- Analytical Report -

Project Name : MEDLEY FARM Submitter # : 1000.92
Project Number : 71243.12 Submitter : RMT - GREENVILLE
Lab Sample Number : 824875-006 Report Date : 8/26/2002
Station ID : MLW3-2 Collection Date : 8/13/2002
WI DNR LAB ID : 113138520 Matrix Type : WATER

Volatile Organic Results

SPECIAL VOLATILE LIST - WATER

Prep Method: SW846 5030B

Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
1,1,1-Trichloroethane	< 1.0	1.0	ug/L		8/21/2002	SW846 8260B
1,1,2-Trichloroethane	< 1.0	1.0	ug/L		8/21/2002	SW846 8260B
1,1-Dichloroethane	< 1.0	1.0	ug/L		8/21/2002	SW846 8260B
1,1-Dichloroethene	< 1.0	1.0	ug/L		8/21/2002	SW846 8260B
1,2-Dichloroethane	< 1.0	1.0	ug/L		8/21/2002	SW846 8260B
2-Butanone	< 5.0	5.0	ug/L		8/21/2002	SW846 8260B
Acetone	10	5.0	ug/L		8/21/2002	SW846 8260B
Benzene	< 1.0	1.0	ug/L		8/21/2002	SW846 8260B
Chloroform	< 1.0	1.0	ug/L		8/21/2002	SW846 8260B
Chloromethane	< 1.0	1.0	ug/L		8/21/2002	SW846 8260B
cis-1,2-Dichloroethene	< 1.0	1.0	ug/L		8/21/2002	SW846 8260B
Methylene chloride	< 1.0	1.0	ug/L		8/21/2002	SW846 8260B
Tetrachloroethene	1.2	1.0	ug/L		8/21/2002	SW846 8260B
trans-1,2-Dichloroethene	< 1.0	1.0	ug/L		8/21/2002	SW846 8260B
Trichloroethene	3.9	1.0	ug/L		8/21/2002	SW846 8260B

- Analytical Report -

Project Name : MEDLEY FARM

Submitter # : 1000.92

Project Number : 71243.12

Submitter : RMT - GREENVILLE

Lab Sample Number : 824875-007

Report Date : 8/26/2002

Station ID : MLW3-3

Collection Date : 8/13/2002

WI DNR LAB ID : 113138520

Matrix Type : WATER

Volatile Organic Results

Prep Method: SW846 5030B

SPECIAL VOLATILE LIST - WATER

Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
1,1,1-Trichloroethane	< 1.0	1.0	ug/L		8/20/2002	SW846 8260B
1,1,2-Trichloroethane	< 1.0	1.0	ug/L		8/20/2002	SW846 8260B
1,1-Dichloroethane	< 1.0	1.0	ug/L		8/20/2002	SW846 8260B
1,1-Dichloroethene	< 1.0	1.0	ug/L		8/20/2002	SW846 8260B
1,2-Dichloroethane	< 1.0	1.0	ug/L		8/20/2002	SW846 8260B
2-Butanone	< 5.0	5.0	ug/L		8/20/2002	SW846 8260B
Acetone	< 5.0	5.0	ug/L		8/20/2002	SW846 8260B
Benzene	< 1.0	1.0	ug/L		8/20/2002	SW846 8260B
Chloroform	< 1.0	1.0	ug/L		8/20/2002	SW846 8260B
Chloromethane	< 1.0	1.0	ug/L		8/20/2002	SW846 8260B
cis-1,2-Dichloroethene	< 1.0	1.0	ug/L		8/20/2002	SW846 8260B
Methylene chloride	< 1.0	1.0	ug/L		8/20/2002	SW846 8260B
Tetrachloroethene	1.7	1.0	ug/L		8/20/2002	SW846 8260B
trans-1,2-Dichloroethene	< 1.0	1.0	ug/L		8/20/2002	SW846 8260B
Trichloroethene	5.6	1.0	ug/L		8/20/2002	SW846 8260B

- Analytical Report -

Project Name : MEDLEY FARM
Project Number : 71243.12
Lab Sample Number : 824875-008
Station ID : DP3-1
WI DNR LAB ID : 113138520

Submitter # : 1000.92
Submitter : RMT - GREENVILLE
Report Date : 8/26/2002
Collection Date : 8/13/2002
Matrix Type : WATER

Volatile Organic Results

SPECIAL VOLATILE LIST - WATER

Prep Method: SW846 5030B

Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
1,1,1-Trichloroethane	8.4	2.5	ug/L		8/20/2002	SW846 8260B
1,1,2-Trichloroethane	< 2.5	2.5	ug/L		8/20/2002	SW846 8260B
1,1-Dichloroethane	< 2.5	2.5	ug/L		8/20/2002	SW846 8260B
1,1-Dichloroethene	30	2.5	ug/L		8/20/2002	SW846 8260B
1,2-Dichloroethane	< 2.5	2.5	ug/L		8/20/2002	SW846 8260B
2-Butanone	< 12	12	ug/L		8/20/2002	SW846 8260B
Acetone	< 12	12	ug/L		8/20/2002	SW846 8260B
Benzene	< 2.5	2.5	ug/L		8/20/2002	SW846 8260B
Chloroform	84	2.5	ug/L		8/20/2002	SW846 8260B
Chloromethane	< 2.5	2.5	ug/L		8/20/2002	SW846 8260B
cis-1,2-Dichloroethene	13	2.5	ug/L		8/20/2002	SW846 8260B
Methylene chloride	< 2.5	2.5	ug/L		8/20/2002	SW846 8260B
Tetrachloroethene	140	2.5	ug/L		8/20/2002	SW846 8260B
trans-1,2-Dichloroethene	< 2.5	2.5	ug/L		8/20/2002	SW846 8260B
Trichloroethene	360	2.5	ug/L		8/20/2002	SW846 8260B

- Analytical Report -

Project Name : MEDLEY FARM
Project Number : 71243.12
Lab Sample Number : 824875-009
Station ID : MW2-1
WI DNR LAB ID : 113138520

Submitter # : 1000.92
Submitter : RMT - GREENVILLE
Report Date : 8/26/2002
Collection Date : 8/14/2002
Matrix Type : WATER

Volatile Organic Results

SPECIAL VOLATILE LIST - WATER

Prep Method: SW846 5030B

Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
1,1,1-Trichloroethane	< 1.0	1.0	ug/L		8/19/2002	SW846 8260B
1,1,2-Trichloroethane	< 1.0	1.0	ug/L		8/19/2002	SW846 8260B
1,1-Dichloroethane	< 1.0	1.0	ug/L		8/19/2002	SW846 8260B
1,1-Dichloroethene	9.7	1.0	ug/L		8/19/2002	SW846 8260B
1,2-Dichloroethane	1.9	1.0	ug/L		8/19/2002	SW846 8260B
2-Butanone	< 5.0	5.0	ug/L		8/19/2002	SW846 8260B
Acetone	< 5.0	5.0	ug/L		8/19/2002	SW846 8260B
Benzene	< 1.0	1.0	ug/L		8/19/2002	SW846 8260B
Chloroform	1.9	1.0	ug/L		8/19/2002	SW846 8260B
Chloromethane	< 1.0	1.0	ug/L		8/19/2002	SW846 8260B
cis-1,2-Dichloroethene	2.3	1.0	ug/L		8/19/2002	SW846 8260B
Methylene chloride	< 1.0	1.0	ug/L		8/19/2002	SW846 8260B
Tetrachloroethene	13	1.0	ug/L		8/19/2002	SW846 8260B
trans-1,2-Dichloroethene	< 1.0	1.0	ug/L		8/19/2002	SW846 8260B
Trichloroethene	31	1.0	ug/L		8/19/2002	SW846 8260B

- Analytical Report -

Project Name : MEDLEY FARM
Project Number : 71243.12
Lab Sample Number : 824875-010
Station ID : MW2-2
WI DNR LAB ID : 113138520

Submitter # : 1000.92
Submitter : RMT - GREENVILLE
Report Date : 8/26/2002
Collection Date : 8/14/2002
Matrix Type : WATER

Volatile Organic Results

Prep Method: SW846 5030B

SPECIAL VOLATILE LIST - WATER

Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
1,1,1-Trichloroethane	1.4	1.0	ug/L		8/19/2002	SW846 8260B
1,1,2-Trichloroethane	< 1.0	1.0	ug/L		8/19/2002	SW846 8260B
1,1-Dichloroethane	< 1.0	1.0	ug/L		8/19/2002	SW846 8260B
1,1-Dichloroethene	4.2	1.0	ug/L		8/19/2002	SW846 8260B
1,2-Dichloroethane	< 1.0	1.0	ug/L		8/19/2002	SW846 8260B
2-Butanone	< 5.0	5.0	ug/L		8/19/2002	SW846 8260B
Acetone	< 5.0	5.0	ug/L		8/19/2002	SW846 8260B
Benzene	< 1.0	1.0	ug/L		8/19/2002	SW846 8260B
Chloroform	6.9	1.0	ug/L		8/19/2002	SW846 8260B
Chloromethane	< 1.0	1.0	ug/L		8/19/2002	SW846 8260B
cis-1,2-Dichloroethene	4.0	1.0	ug/L		8/19/2002	SW846 8260B
Methylene chloride	< 1.0	1.0	ug/L		8/19/2002	SW846 8260B
Tetrachloroethene	19	1.0	ug/L		8/19/2002	SW846 8260B
trans-1,2-Dichloroethene	< 1.0	1.0	ug/L		8/19/2002	SW846 8260B
Trichloroethene	55	1.0	ug/L		8/19/2002	SW846 8260B

- Analytical Report -

Project Name : MEDLEY FARM
Project Number : 71243.12
Lab Sample Number : 824875-011
Station ID : BW-108
WI DNR LAB ID : 113138520

Submitter # : 1000.92
Submitter : RMT - GREENVILLE
Report Date : 8/26/2002
Collection Date : 8/14/2002
Matrix Type : WATER

Volatile Organic Results

SPECIAL VOLATILE LIST - WATER

Prep Method: SW846 5030B

Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
1,1,1-Trichloroethane	< 1.0	1.0	ug/L		8/19/2002	SW846 8260B
1,1,2-Trichloroethane	< 1.0	1.0	ug/L		8/19/2002	SW846 8260B
1,1-Dichloroethane	< 1.0	1.0	ug/L		8/19/2002	SW846 8260B
1,1-Dichloroethene	< 1.0	1.0	ug/L		8/19/2002	SW846 8260B
1,2-Dichloroethane	< 1.0	1.0	ug/L		8/19/2002	SW846 8260B
2-Butanone	< 5.0	5.0	ug/L		8/19/2002	SW846 8260B
Acetone	< 5.0	5.0	ug/L		8/19/2002	SW846 8260B
Benzene	< 1.0	1.0	ug/L		8/19/2002	SW846 8260B
Chloroform	< 1.0	1.0	ug/L		8/19/2002	SW846 8260B
Chloromethane	< 1.0	1.0	ug/L		8/19/2002	SW846 8260B
cis-1,2-Dichloroethene	< 1.0	1.0	ug/L		8/19/2002	SW846 8260B
Methylene chloride	< 1.0	1.0	ug/L		8/19/2002	SW846 8260B
Tetrachloroethene	1.6	1.0	ug/L		8/19/2002	SW846 8260B
trans-1,2-Dichloroethene	< 1.0	1.0	ug/L		8/19/2002	SW846 8260B
Trichloroethene	2.9	1.0	ug/L		8/19/2002	SW846 8260B

- Analytical Report -

Project Name : MEDLEY FARM
Project Number : 71243.12
Lab Sample Number : 824875-012
Station ID : MW4-1
WI DNR LAB ID : 113138520

Submitter # : 1000.92
Submitter : RMT - GREENVILLE
Report Date : 8/26/2002
Collection Date : 8/14/2002
Matrix Type : WATER

Volatile Organic Results

SPECIAL VOLATILE LIST - WATER

Prep Method: SW846 5030B

Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
1,1,1-Trichloroethane	< 1.0	1.0	ug/L		8/19/2002	SW846 8260B
1,1,2-Trichloroethane	22	1.0	ug/L		8/19/2002	SW846 8260B
1,1-Dichloroethane	< 1.0	1.0	ug/L		8/19/2002	SW846 8260B
1,1-Dichloroethene	3.6	1.0	ug/L		8/19/2002	SW846 8260B
1,2-Dichloroethane	1.1	1.0	ug/L		8/19/2002	SW846 8260B
2-Butanone	< 5.0	5.0	ug/L		8/19/2002	SW846 8260B
Acetone	< 5.0	5.0	ug/L		8/19/2002	SW846 8260B
Benzene	< 1.0	1.0	ug/L		8/19/2002	SW846 8260B
Chloroform	54	1.0	ug/L		8/19/2002	SW846 8260B
Chloromethane	< 1.0	1.0	ug/L		8/19/2002	SW846 8260B
cis-1,2-Dichloroethene	1.1	1.0	ug/L		8/19/2002	SW846 8260B
Methylene chloride	< 1.0	1.0	ug/L		8/19/2002	SW846 8260B
Tetrachloroethene	79	1.0	ug/L		8/19/2002	SW846 8260B
trans-1,2-Dichloroethene	< 1.0	1.0	ug/L		8/19/2002	SW846 8260B
Trichloroethene	190	1.0	ug/L		8/19/2002	SW846 8260B

- Analytical Report -

Project Name : MEDLEY FARM
Project Number : 71243.12
Lab Sample Number : 824875-013
Station ID : MW-3D
WI DNR LAB ID : 113138520

Submitter # : 1000.92
Submitter : RMT - GREENVILLE
Report Date : 8/26/2002
Collection Date : 8/14/2002
Matrix Type : WATER

Volatile Organic Results

SPECIAL VOLATILE LIST - WATER

Prep Method: SW846 5030B

Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
1,1,1-Trichloroethane	< 1.0	1.0	ug/L		8/19/2002	SW846 8260B
1,1,2-Trichloroethane	< 1.0	1.0	ug/L		8/19/2002	SW846 8260B
1,1-Dichloroethane	< 1.0	1.0	ug/L		8/19/2002	SW846 8260B
1,1-Dichloroethene	1.8	1.0	ug/L		8/19/2002	SW846 8260B
1,2-Dichloroethane	< 1.0	1.0	ug/L		8/19/2002	SW846 8260B
2-Butanone	< 5.0	5.0	ug/L		8/19/2002	SW846 8260B
Acetone	< 5.0	5.0	ug/L		8/19/2002	SW846 8260B
Benzene	< 1.0	1.0	ug/L		8/19/2002	SW846 8260B
Chloroform	< 1.0	1.0	ug/L		8/19/2002	SW846 8260B
Chloromethane	< 1.0	1.0	ug/L		8/19/2002	SW846 8260B
cis-1,2-Dichloroethene	2.3	1.0	ug/L		8/19/2002	SW846 8260B
Methylene chloride	< 1.0	1.0	ug/L		8/19/2002	SW846 8260B
Tetrachloroethene	32	1.0	ug/L		8/19/2002	SW846 8260B
trans-1,2-Dichloroethene	< 1.0	1.0	ug/L		8/19/2002	SW846 8260B
Trichloroethene	30	1.0	ug/L		8/19/2002	SW846 8260B

- Analytical Report -

Project Name : MEDLEY FARM Submitter # : 1000.92

Project Number : 71243.12 Submitter : RMT - GREENVILLE

Lab Sample Number : 824875-014 Report Date : 8/26/2002

Station ID : FBLK-02301 Collection Date : 8/14/2002

WI DNR LAB ID : 113138520 Matrix Type : WATER

Volatile Organic Results

SPECIAL VOLATILE LIST - WATER

Prep Method: SW846 5030B

Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
1,1,1-Trichloroethane	< 1.0	1.0	ug/L		8/20/2002	SW846 8260B
1,1,2-Trichloroethane	< 1.0	1.0	ug/L		8/20/2002	SW846 8260B
1,1-Dichloroethane	< 1.0	1.0	ug/L		8/20/2002	SW846 8260B
1,1-Dichloroethene	< 1.0	1.0	ug/L		8/20/2002	SW846 8260B
1,2-Dichloroethane	< 1.0	1.0	ug/L		8/20/2002	SW846 8260B
2-Butanone	< 5.0	5.0	ug/L		8/20/2002	SW846 8260B
Acetone	< 5.0	5.0	ug/L		8/20/2002	SW846 8260B
Benzene	< 1.0	1.0	ug/L		8/20/2002	SW846 8260B
Chloroform	< 1.0	1.0	ug/L		8/20/2002	SW846 8260B
Chloromethane	< 1.0	1.0	ug/L		8/20/2002	SW846 8260B
cis-1,2-Dichloroethene	< 1.0	1.0	ug/L		8/20/2002	SW846 8260B
Methylene chloride	< 1.0	1.0	ug/L		8/20/2002	SW846 8260B
Tetrachloroethene	< 1.0	1.0	ug/L		8/20/2002	SW846 8260B
trans-1,2-Dichloroethene	< 1.0	1.0	ug/L		8/20/2002	SW846 8260B
Trichloroethene	< 1.0	1.0	ug/L		8/20/2002	SW846 8260B

- Analytical Report -

Project Name : MEDLEY FARM
Project Number : 71243.12
Lab Sample Number : 824875-015
Station ID : DU-02301
WI DNR LAB ID : 113138520

Submitter # : 1000.92
Submitter : RMT - GREENVILLE
Report Date : 8/26/2002
Collection Date : 8/14/2002
Matrix Type : WATER

Volatile Organic Results

SPECIAL VOLATILE LIST - WATER

Prep Method: SW846 5030B

Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
1,1,1-Trichloroethane	1.3	1.0	ug/L		8/20/2002	SW846 8260B
1,1,2-Trichloroethane	< 1.0	1.0	ug/L		8/20/2002	SW846 8260B
1,1-Dichloroethane	< 1.0	1.0	ug/L		8/20/2002	SW846 8260B
1,1-Dichloroethene	4.0	1.0	ug/L		8/20/2002	SW846 8260B
1,2-Dichloroethane	< 1.0	1.0	ug/L		8/20/2002	SW846 8260B
2-Butanone	< 5.0	5.0	ug/L		8/20/2002	SW846 8260B
Acetone	< 5.0	5.0	ug/L		8/20/2002	SW846 8260B
Benzene	< 1.0	1.0	ug/L		8/20/2002	SW846 8260B
Chloroform	6.9	1.0	ug/L		8/20/2002	SW846 8260B
Chloromethane	< 1.0	1.0	ug/L		8/20/2002	SW846 8260B
cis-1,2-Dichloroethene	3.8	1.0	ug/L		8/20/2002	SW846 8260B
Methylene chloride	< 1.0	1.0	ug/L		8/20/2002	SW846 8260B
Tetrachloroethene	18	1.0	ug/L		8/20/2002	SW846 8260B
trans-1,2-Dichloroethene	< 1.0	1.0	ug/L		8/20/2002	SW846 8260B
Trichloroethene	55	1.0	ug/L		8/20/2002	SW846 8260B



CHAIN OF CUSTODY RECORD

No 74395

100 Verdae Boulevard, P.O. Box 16778 • Greenville, SC 29606-6778 • Phone (864) 281-0030 • Fax (864) 281-0288

Project No.	Project Client:
71243.12	Medley Farm
Project Manager/Contact Person:	
Steve Webb / M. Miesfeldt	

Lab No.	Yr. <u>02</u> Date	Time	Sample Station ID	Total Number Of Containers	MATRIX
001	—	—	TBLK-02301	40 ^{ml}	3 DI X
002	8/13	1055	MW4-2	3	GW X
003	/	1140	BW-201	3	/ X
004	/	1335	BW-202	3	/ X
005	/	1420	MLW3-1	3	/ X
006	/	1400	MLW3-2	3	/ X
007	/	1410	MLW3-3	3	/ X
008	/	1440	DP3-1	3	/ X
009	8/4	1100	MW2-1	3	/ X
010	8/4	1305	MW2-2	3	/ X

SPECIAL INSTRUCTIONS

SAMPLER Relinquished by (Sig.)	Date/Time	Received by (Sig.)	Date/Time	HAZARDS ASSOCIATED WITH SAMPLES	Turn Around (circle one)	Normal	Rush
	8-15-02		8-15-02	<input type="checkbox"/> Flammable <input type="checkbox"/> Corrosive <input type="checkbox"/> Highly Toxic <input type="checkbox"/> Other (list) <hr/>	Report Due _____		
Relinquished by (Sig.)	Date/Time	Received by (Sig.)	Date/Time	(For Lab Use Only)			
	8/16/02 1100		8/16/02 1100				
Relinquished by (Sig.)	Date/Time	Received by (Sig.)	Date/Time	Receipt Temp:	Receipt pH		
	8/16/02 1100		8/16/02	Temp Blank Y N	(Wet/Metals) NA		
Custody Seal: Present/Absent	Intact/Not Intact	Seal #'s		3°C ROI / 1.4°C 6 Bay			

F-268 (R-10799)

Kirsch 8/16/02 Jon Richardson 8/16/02 - 1600

WHITE - LABORATORY COPY

YELLOW - REPORT APPENDIX

PINK - SAMPLER/SUBMITTER



CHAIN OF CUSTODY RECORD

Nº 74396

100 Verdae Boulevard, P.O. Box 16778 • Greenville, SC 29606-6778 • Phone (864) 281-0030 • Fax (864) 281-0288

Project No.	Project/Client
71243.12	Medley Farm
Project Manager/Contact Person:	
Steve Webb/M. Miesfeldt	

Lab No.	Yr. Date	Time	Sample Station ID
011	8/14	1450	BW-108
012	/	1530	MW4-1
013	/	1610	MW-3D
014	/	1630	FBLK-02301
015	—	—	DU-02301

SPECIAL INSTRUCTIONS

SAMPLER Relinquished by (Sig.) <i>J. Oll</i>	Date/Time 8-15-02	Received by (Sig.) <i>Hirborne</i>	Date/Time 8-15-02	HAZARDS ASSOCIATED WITH SAMPLES <input type="checkbox"/> Flammable <input type="checkbox"/> Corrosive <input type="checkbox"/> Highly Toxic <input type="checkbox"/> Other (list) <hr/>	Turn Around (circle one) Normal	Rush
Relinquished by (Sig.) <i>Airborne</i>	Date/Time 8/16/02 1100	Received by (Sig.) <i>Jan R</i>	Date/Time 8/16/02 1100		Report Due _____	
Relinquished by (Sig.) <i>Jan R</i>	Date/Time 8/16/02	Received by (Sig.) <i>John Knob</i>	Date/Time 8/16/02		(For Lab Use Only)	
Custody Seal: Present/Absent		Intact/Not Intact		Receipt Temp: Temp Blank Y N 3.2 20.5 1.48 6 Bay	Receipt pH (Wet/Metals) NA	

F-268 (R10/99)

initials of 2nd 8/10/02

Jason Kubinski 8/16/02 1600

WHITE - LABORATORY COPY

YELLOW - REPORT APPENDIX

PINK - SAMPLER/SUBMITTER



Corporate Office & Laboratory
1241 Bellevue Street, Suite 9 • Green Bay, WI 54302
920-469-2436 • FAX: 920-469-8827 • 800-7-ENCHEM
www.enchem.com

- Analytical Report -

Project Name : MEDLEY FARM

Project Number : 71243.12

Client: RMT - GREENVILLE

South Carolina Cert# : 83006001

Sample No.	Field ID	Collection Date	Sample No.	Field ID	Collection Date
829345-001	A-1	12/3/02			
829345-002	A-2	12/3/02			
829345-003	A-3	12/3/02			
829345-004	A-4	12/3/02			
829345-005	A-5	12/3/02			
829345-006	A-6	12/3/02			
829345-007	A-7	12/3/02			
829345-008	B-1	12/3/02			
829345-009	B-2	12/3/02			
829345-010	B-3	12/3/02			
829345-011	B-4	12/3/02			
829345-012	TBLK 02401	12/3/02			

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The "J" flag is present when a parameter has been detected below the EQL but at or above the MDL.

Soil VOC detects are corrected for the total solids, unless otherwise noted.

I certify that the data contained in this Final Report has been generated and reviewed in accordance with approved methods and Laboratory Standard Operating Procedure. Exceptions, if any, are discussed in the accompanying sample comments. Release of this final report is authorized by Laboratory management, as is verified by the following signature. Reported results shall not be reproduced, except in full, without the written approval of the lab. The sample results relate only to the analytes of interest tested.

Approval Signature

Date

12/19/02

En Chem, Inc. Cooler Receipt Log

Batch No. 829345

Project Name or ID 71243.12

No. of Coolers: 1 Temps: 3.0°C

A. Receipt Phase: Date cooler was opened: 12-6-02 By: 6D

- 1: Were samples received on ice? (Must be ≤ 6 C) YES NO²
 2. Was there a Temperature Blank? YES NO
 3: Were custody seals present and intact? (Record on COC) YES NO
 4: Are COC documents present? YES NO²
 5: Does this Project require quick turn around analysis? YES NO
 6: Is there any sub-work? YES NO
 7: Are there any short hold time tests? YES NO
 8: Are any samples nearing expiration of hold-time? (Within 2 days) YES¹ NO
 9: Do any samples need to be Filtered or Preserved in the lab? YES¹ NO

Contacted by/Who _____

Contacted by/Who _____

B. Check-in Phase: Date samples were Checked-in: 12-6-02 By: 6D

- 1: Were all sample containers listed on the COC received and intact? YES NO² NA
 2: Sign the COC as received by En Chem. Completed YES NO
 3: Do sample labels match the COC? YES NO²
 4: Check sample pH of preserved samples. (Not VOCs) Completed YES NO NA
 5: Do samples have correct chemical preservation? YES NO² NA
 6: Are dissolved parameters field filtered? YES NO² NA
 7: Are sample volumes adequate for tests requested? YES NO²
 8: Are VOC samples free of bubbles >6mm YES NO² NA
 9: Enter samples into logbook. Completed YES NO
 10: Place laboratory sample number on all containers and COC. Completed YES NO
 11: Complete Laboratory Tracking Sheet (LTS). Completed YES NO NA
 12: Start Nonconformance form. YES NO NA
 13: Initiate Subcontracting procedure. Completed YES NO NA
 14: Check laboratory sample number on all containers and COC. VR YES NO NA

Short Hold-time tests:

48 Hours or less	7 days	Footnotes
Coliform (6 hrs)	Flashpoint	1 Notify proper lab group immediately.
Hexavalent Chromium (24 Hrs)	TSS	2 Complete nonconformance memo.
BOD	Total Solids	
Nitrite or Nitrate	TDS	
Low Level Mercury	Sulfide	
Ortho Phosphorus	Free Liquids	
Turbidity	Total Volatile Solids	
Surfactants	Aqueous Extractable Organics- ALL	
Sulfite	Unpreserved VOC's	
En Core Preservation	Ash	
Color		

Rev. 9/5/2001, Attachment to 1-REC-5.
Subject to QA Audit.

Reviewed by/date TJF 12/6/02

Organic Data Qualifiers

- B Analyte is present in the method blank. Method blank criteria is evaluated to the laboratory method detection limit. Additionally, method blank acceptance may be based on project specific criteria or determined from analyte concentrations in the sample and are evaluated on a sample by sample basis.
- C Elevated detection limit.
- D Analyte value from diluted analysis, or surrogate result not applicable due to sample dilution.
- E Analyte concentration exceeds calibration range.
- F Surrogate results outside control criteria.
- H Extraction or analysis performed past holding time.
- J Qualitative evidence of analyte present: concentration detected is greater than the method detection limit but less than the reporting limit.
- K Detection limit may be elevated due to the presence of an unrequested analyte.
- N Spiked sample recovery not within control limits.
- P The relative percent difference between the two columns for detected concentrations was greater than 40%.
- Q The analyte has been detected between the limit of detection (LOD) and limit of quantitation (LOQ). The results are qualified due to the uncertainty of analyte concentrations within this range.
- S The relative percent difference between quantitation and confirmation columns exceeds internal quality control criteria. Because the result is unconfirmed, it has been reported as a non-detect with an elevated detection limit.
- U The analyte was not detected above the reporting limit.
- W Sample received with headspace.
- X See Sample Narrative.
- & Laboratory Control Spike recovery not within control limits.
- * Duplicate analyses not within control limits.
- SUB1 Assay was subcontracted to an approved lab.
- SUB2 Assay was subcontracted to En Chem Green Bay WI Cert. #405132750.

- Analytical Report -**Project Name : MEDLEY FARM****Project Number : 71243.12****Client : RMT - GREENVILLE****Field ID : A-1****Report Date : 12/16/02****Lab Sample Number : 829345-001****Collection Date : 12/3/02****South Carolina No. : 83006001****Matrix Type : WATER****Organic Results****SPECIAL VOLATILE LIST - WATER****Prep Method: SW846 5030B****Prep Date: 12/12/02****Analyst: JSF**

Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
Acetone	< 5.0	5.0	ug/L	&	12/12/02	SW846 8260B
Benzene	< 1.0	1.0	ug/L		12/12/02	SW846 8260B
2-Butanone	< 5.0	5.0	ug/L		12/12/02	SW846 8260B
Chloroform	2.6	1.0	ug/L		12/12/02	SW846 8260B
Chloromethane	< 1.0	1.0	ug/L		12/12/02	SW846 8260B
1,1-Dichloroethane	< 1.0	1.0	ug/L		12/12/02	SW846 8260B
1,2-Dichloroethane	< 1.0	1.0	ug/L		12/12/02	SW846 8260B
1,1-Dichloroethene	< 1.0	1.0	ug/L		12/12/02	SW846 8260B
cis-1,2-Dichloroethene	< 1.0	1.0	ug/L		12/12/02	SW846 8260B
trans-1,2-Dichloroethene	< 1.0	1.0	ug/L		12/12/02	SW846 8260B
Methylene chloride	< 1.0	1.0	ug/L		12/12/02	SW846 8260B
Tetrachloroethene	9.4	1.0	ug/L	&	12/12/02	SW846 8260B
1,1,1-Trichloroethane	< 1.0	1.0	ug/L		12/12/02	SW846 8260B
1,1,2-Trichloroethane	< 1.0	1.0	ug/L		12/12/02	SW846 8260B
Trichloroethene	30	1.0	ug/L		12/12/02	SW846 8260B

- Analytical Report -

Project Name : MEDLEY FARM

Project Number : 71243.12

Client : RMT - GREENVILLE

Field ID : A-2

Report Date : 12/16/02

Lab Sample Number : 829345-002

Collection Date : 12/3/02

South Carolina No. : 83006001

Matrix Type : WATER

Organic Results**SPECIAL VOLATILE LIST - WATER**

Prep Method: SW846 5030B

Prep Date: 12/15/02

Analyst: JSF

Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
Acetone	< 10	10	ug/L	&	12/15/02	SW846 8260B
Benzene	< 2.0	2.0	ug/L		12/15/02	SW846 8260B
2-Butanone	< 10	10	ug/L		12/15/02	SW846 8260B
Chloroform	18	2.0	ug/L		12/15/02	SW846 8260B
Chloromethane	< 2.0	2.0	ug/L		12/15/02	SW846 8260B
1,1-Dichloroethane	< 2.0	2.0	ug/L		12/15/02	SW846 8260B
1,2-Dichloroethane	< 2.0	2.0	ug/L		12/15/02	SW846 8260B
1,1-Dichloroethene	1.3	J	2.0		12/15/02	SW846 8260B
cis-1,2-Dichloroethene	1.7	J	2.0		12/15/02	SW846 8260B
trans-1,2-Dichloroethene	< 2.0	2.0	ug/L		12/15/02	SW846 8260B
Methylene chloride	< 2.0	2.0	ug/L		12/15/02	SW846 8260B
Tetrachloroethene	90	2.0	ug/L	&	12/15/02	SW846 8260B
1,1,1-Trichloroethane	< 2.0	2.0	ug/L		12/15/02	SW846 8260B
1,1,2-Trichloroethane	4.1	2.0	ug/L		12/15/02	SW846 8260B
Trichloroethene	220	2.0	ug/L		12/15/02	SW846 8260B

- Analytical Report -

Project Name : MEDLEY FARM

Project Number : 71243.12

Client : RMT - GREENVILLE

Field ID : A-3

Report Date : 12/16/02

Lab Sample Number : 829345-003

Collection Date : 12/3/02

South Carolina No. : 83006001

Matrix Type : WATER

Organic Results**SPECIAL VOLATILE LIST - WATER**

Prep Method: SW846 5030B

Prep Date: 12/12/02

Analyst: JSF

Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
Acetone	< 5.0	5.0	ug/L	&	12/12/02	SW846 8260B
Benzene	< 1.0	1.0	ug/L		12/12/02	SW846 8260B
2-Butanone	< 5.0	5.0	ug/L		12/12/02	SW846 8260B
Chloroform	1.5	1.0	ug/L		12/12/02	SW846 8260B
Chloromethane	< 1.0	1.0	ug/L		12/12/02	SW846 8260B
1,1-Dichloroethane	< 1.0	1.0	ug/L		12/12/02	SW846 8260B
1,2-Dichloroethane	< 1.0	1.0	ug/L		12/12/02	SW846 8260B
1,1-Dichloroethene	1.9	1.0	ug/L		12/12/02	SW846 8260B
cis-1,2-Dichloroethene	0.90	J	1.0		12/12/02	SW846 8260B
trans-1,2-Dichloroethene	< 1.0	1.0	ug/L		12/12/02	SW846 8260B
Methylene chloride	< 1.0	1.0	ug/L		12/12/02	SW846 8260B
Tetrachloroethene	7.2	1.0	ug/L	&	12/12/02	SW846 8260B
1,1,1-Trichloroethane	< 1.0	1.0	ug/L		12/12/02	SW846 8260B
1,1,2-Trichloroethane	< 1.0	1.0	ug/L		12/12/02	SW846 8260B
Trichloroethene	15	1.0	ug/L		12/12/02	SW846 8260B

- Analytical Report -

Project Name : MEDLEY FARM

Project Number : 71243.12

Client : RMT - GREENVILLE

Field ID : A-4

Report Date : 12/16/02

Lab Sample Number : 829345-004

Collection Date : 12/3/02

South Carolina No. : 83006001

Matrix Type : WATER

Organic Results**SPECIAL VOLATILE LIST - WATER**

Prep Method: SW846 5030B

Prep Date: 12/12/02

Analyst: JSF

Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
Acetone	< 5.0	5.0	ug/L	&	12/12/02	SW846 8260B
Benzene	< 1.0	1.0	ug/L		12/12/02	SW846 8260B
2-Butanone	< 5.0	5.0	ug/L		12/12/02	SW846 8260B
Chloroform	< 1.0	1.0	ug/L		12/12/02	SW846 8260B
Chloromethane	< 1.0	1.0	ug/L		12/12/02	SW846 8260B
1,1-Dichloroethane	< 1.0	1.0	ug/L		12/12/02	SW846 8260B
1,2-Dichloroethane	< 1.0	1.0	ug/L		12/12/02	SW846 8260B
1,1-Dichloroethene	< 1.0	1.0	ug/L		12/12/02	SW846 8260B
cis-1,2-Dichloroethene	< 1.0	1.0	ug/L		12/12/02	SW846 8260B
trans-1,2-Dichloroethene	< 1.0	1.0	ug/L		12/12/02	SW846 8260B
Methylene chloride	< 1.0	1.0	ug/L		12/12/02	SW846 8260B
Tetrachloroethene	7.0	1.0	ug/L	&	12/12/02	SW846 8260B
1,1,1-Trichloroethane	< 1.0	1.0	ug/L		12/12/02	SW846 8260B
1,1,2-Trichloroethane	< 1.0	1.0	ug/L		12/12/02	SW846 8260B
Trichloroethene	5.0	1.0	ug/L		12/12/02	SW846 8260B

- Analytical Report -

Project Name : MEDLEY FARM

Project Number : 71243.12

Client : RMT - GREENVILLE

Field ID : A-5

Report Date : 12/16/02

Lab Sample Number : 829345-005

Collection Date : 12/3/02

South Carolina No. : 83006001

Matrix Type : WATER

Organic Results**SPECIAL VOLATILE LIST - WATER**

Prep Method: SW846 5030B

Prep Date: 12/12/02

Analyst: JSF

Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
Acetone	< 5.0	5.0	ug/L	&	12/12/02	SW846 8260B
Benzene	< 1.0	1.0	ug/L		12/12/02	SW846 8260B
2-Butanone	< 5.0	5.0	ug/L		12/12/02	SW846 8260B
Chloroform	4.5	1.0	ug/L		12/12/02	SW846 8260B
Chloromethane	< 1.0	1.0	ug/L		12/12/02	SW846 8260B
1,1-Dichloroethane	< 1.0	1.0	ug/L		12/12/02	SW846 8260B
1,2-Dichloroethane	< 1.0	1.0	ug/L		12/12/02	SW846 8260B
1,1-Dichloroethene	3.4	1.0	ug/L		12/12/02	SW846 8260B
cis-1,2-Dichloroethene	2.9	1.0	ug/L		12/12/02	SW846 8260B
trans-1,2-Dichloroethene	< 1.0	1.0	ug/L		12/12/02	SW846 8260B
Methylene chloride	< 1.0	1.0	ug/L		12/12/02	SW846 8260B
Tetrachloroethene	20	1.0	ug/L	&	12/12/02	SW846 8260B
1,1,1-Trichloroethane	< 1.0	1.0	ug/L		12/12/02	SW846 8260B
1,1,2-Trichloroethane	< 1.0	1.0	ug/L		12/12/02	SW846 8260B
Trichloroethene	48	1.0	ug/L		12/12/02	SW846 8260B

- Analytical Report -

Project Name : MEDLEY FARM

Project Number : 71243.12

Client : RMT - GREENVILLE

Field ID : A-6

Report Date : 12/16/02

Lab Sample Number : 829345-006

Collection Date : 12/3/02

South Carolina No. : 83006001

Matrix Type : WATER

Organic Results

SPECIAL VOLATILE LIST - WATER

Prep Method: SW846 5030B

Prep Date: 12/12/02

Analyst: JSF

Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
Acetone	< 5.0	5.0	ug/L	&	12/12/02	SW846 8260B
Benzene	< 1.0	1.0	ug/L		12/12/02	SW846 8260B
2-Butanone	< 5.0	5.0	ug/L		12/12/02	SW846 8260B
Chloroform	< 1.0	1.0	ug/L		12/12/02	SW846 8260B
Chloromethane	< 1.0	1.0	ug/L		12/12/02	SW846 8260B
1,1-Dichloroethane	< 1.0	1.0	ug/L		12/12/02	SW846 8260B
1,2-Dichloroethane	< 1.0	1.0	ug/L		12/12/02	SW846 8260B
1,1-Dichloroethene	< 1.0	1.0	ug/L		12/12/02	SW846 8260B
cis-1,2-Dichloroethene	< 1.0	1.0	ug/L		12/12/02	SW846 8260B
trans-1,2-Dichloroethene	< 1.0	1.0	ug/L		12/12/02	SW846 8260B
Methylene chloride	< 1.0	1.0	ug/L		12/12/02	SW846 8260B
Tetrachloroethene	2.1	1.0	ug/L	&	12/12/02	SW846 8260B
1,1,1-Trichloroethane	< 1.0	1.0	ug/L		12/12/02	SW846 8260B
1,1,2-Trichloroethane	< 1.0	1.0	ug/L		12/12/02	SW846 8260B
Trichloroethene	3.8	1.0	ug/L		12/12/02	SW846 8260B

- Analytical Report -

Project Name : MEDLEY FARM

Project Number : 71243.12

Client : RMT - GREENVILLE

Field ID : A-7

Report Date : 12/18/02

Lab Sample Number : 829345-007

Collection Date : 12/3/02

South Carolina No. : 83006001

Matrix Type : WATER

Organic Results

SPECIAL VOLATILE LIST - WATER

Prep Method: SW846 5030B

Prep Date: 12/12/02

Analyst: JSF

Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
Acetone	< 5.0	5.0	ug/L	&	12/12/02	SW846 8260B
Benzene	< 1.0	1.0	ug/L		12/12/02	SW846 8260B
2-Butanone	< 5.0	5.0	ug/L		12/12/02	SW846 8260B
Chloroform	1.0	1.0	ug/L		12/12/02	SW846 8260B
Chloromethane	< 1.0	1.0	ug/L		12/12/02	SW846 8260B
1,1-Dichloroethane	< 1.0	1.0	ug/L		12/12/02	SW846 8260B
1,2-Dichloroethane	< 1.0	1.0	ug/L		12/12/02	SW846 8260B
1,1-Dichloroethene	2.9	1.0	ug/L		12/12/02	SW846 8260B
cis-1,2-Dichloroethene	1.3	1.0	ug/L		12/12/02	SW846 8260B
trans-1,2-Dichloroethene	< 1.0	1.0	ug/L		12/12/02	SW846 8260B
Methylene chloride	< 1.0	1.0	ug/L		12/12/02	SW846 8260B
Tetrachloroethene	18	1.0	ug/L	&	12/12/02	SW846 8260B
1,1,1-Trichloroethane	< 1.0	1.0	ug/L		12/12/02	SW846 8260B
1,1,2-Trichloroethane	< 1.0	1.0	ug/L		12/12/02	SW846 8260B
Trichloroethene	26	1.0	ug/L		12/12/02	SW846 8260B

- Analytical Report -

Project Name : MEDLEY FARM

Project Number : 71243.12

Client : RMT - GREENVILLE

Field ID : B-1

Report Date : 12/16/02

Lab Sample Number : 829345-008

Collection Date : 12/3/02

South Carolina No. : 83006001

Matrix Type : WATER

Organic Results**SPECIAL VOLATILE LIST - WATER**

Prep Method: SW846 5030B

Prep Date: 12/12/02

Analyst: JSF

Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
Acetone	< 5.0	5.0	ug/L	&	12/12/02	SW846 8260B
Benzene	< 1.0	1.0	ug/L		12/12/02	SW846 8260B
2-Butanone	< 5.0	5.0	ug/L		12/12/02	SW846 8260B
Chloroform	6.7	1.0	ug/L		12/12/02	SW846 8260B
Chloromethane	< 1.0	1.0	ug/L		12/12/02	SW846 8260B
1,1-Dichloroethane	< 1.0	1.0	ug/L		12/12/02	SW846 8260B
1,2-Dichloroethane	< 1.0	1.0	ug/L		12/12/02	SW846 8260B
1,1-Dichloroethene	1.3	1.0	ug/L		12/12/02	SW846 8260B
cis-1,2-Dichloroethene	< 1.0	1.0	ug/L		12/12/02	SW846 8260B
trans-1,2-Dichloroethene	< 1.0	1.0	ug/L		12/12/02	SW846 8260B
Methylene chloride	< 1.0	1.0	ug/L		12/12/02	SW846 8260B
Tetrachloroethene	18	1.0	ug/L	&	12/12/02	SW846 8260B
1,1,1-Trichloroethane	< 1.0	1.0	ug/L		12/12/02	SW846 8260B
1,1,2-Trichloroethane	0.52	J	1.0	ug/L	12/12/02	SW846 8260B
Trichloroethene	29		1.0	ug/L	12/12/02	SW846 8260B

- Analytical Report -

Project Name : MEDLEY FARM

Project Number : 71243.12

Client : RMT - GREENVILLE

Field ID : B-2

Report Date : 12/16/02

Lab Sample Number : 829345-009

Collection Date : 12/3/02

South Carolina No. : 83006001

Matrix Type : WATER

Organic Results

SPECIAL VOLATILE LIST - WATER

Prep Method: SW846 5030B

Prep Date: 12/12/02

Analyst: JSF

Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
Acetone	< 5.0	5.0	ug/L	&	12/12/02	SW846 8260B
Benzene	< 1.0	1.0	ug/L		12/12/02	SW846 8260B
2-Butanone	< 5.0	5.0	ug/L		12/12/02	SW846 8260B
Chloroform	0.79	J	1.0	ug/L	12/12/02	SW846 8260B
Chloromethane	< 1.0	1.0	ug/L		12/12/02	SW846 8260B
1,1-Dichloroethane	< 1.0	1.0	ug/L		12/12/02	SW846 8260B
1,2-Dichloroethane	< 1.0	1.0	ug/L		12/12/02	SW846 8260B
1,1-Dichloroethene	1.8	1.0	ug/L		12/12/02	SW846 8260B
cis-1,2-Dichloroethene	< 1.0	1.0	ug/L		12/12/02	SW846 8260B
trans-1,2-Dichloroethene	< 1.0	1.0	ug/L		12/12/02	SW846 8260B
Methylene chloride	< 1.0	1.0	ug/L		12/12/02	SW846 8260B
Tetrachloroethene	5.9	1.0	ug/L	&	12/12/02	SW846 8260B
1,1,1-Trichloroethane	< 1.0	1.0	ug/L		12/12/02	SW846 8260B
1,1,2-Trichloroethane	< 1.0	1.0	ug/L		12/12/02	SW846 8260B
Trichloroethene	13	1.0	ug/L		12/12/02	SW846 8260B

- Analytical Report -

Project Name : MEDLEY FARM

Project Number : 71243.12

Client : RMT - GREENVILLE

Field ID : B-3

Report Date : 12/16/02

Lab Sample Number : 829345-010

Collection Date : 12/3/02

South Carolina No. : 83006001

Matrix Type : WATER

Organic Results**SPECIAL VOLATILE LIST - WATER**

Prep Method: SW846 5030B

Prep Date: 12/15/02

Analyst: JSF

Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
Acetone	< 10	10	ug/L	&	12/15/02	SW846 8260B
Benzene	< 2.0	2.0	ug/L		12/15/02	SW846 8260B
2-Butanone	< 10	10	ug/L		12/15/02	SW846 8260B
Chloroform	8.6	2.0	ug/L		12/15/02	SW846 8260B
Chloromethane	< 2.0	2.0	ug/L		12/15/02	SW846 8260B
1,1-Dichloroethane	< 2.0	2.0	ug/L		12/15/02	SW846 8260B
1,2-Dichloroethane	< 2.0	2.0	ug/L		12/15/02	SW846 8260B
1,1-Dichloroethene	19	2.0	ug/L		12/15/02	SW846 8260B
cis-1,2-Dichloroethene	< 2.0	2.0	ug/L		12/15/02	SW846 8260B
trans-1,2-Dichloroethene	< 2.0	2.0	ug/L		12/15/02	SW846 8260B
Methylene chloride	< 2.0	2.0	ug/L		12/15/02	SW846 8260B
Tetrachloroethene	45	2.0	ug/L	&	12/15/02	SW846 8260B
1,1,1-Trichloroethane	2.9	2.0	ug/L		12/15/02	SW846 8260B
1,1,2-Trichloroethane	< 2.0	2.0	ug/L		12/15/02	SW846 8260B
Trichloroethene	220	2.0	ug/L		12/15/02	SW846 8260B

- Analytical Report -

Project Name : MEDLEY FARM

Project Number : 71243.12

Client : RMT - GREENVILLE

Field ID : B-4

Report Date : 12/16/02

Lab Sample Number : 829345-011

Collection Date : 12/3/02

South Carolina No. : 83006001

Matrix Type : WATER

Organic Results

SPECIAL VOLATILE LIST - WATER

Prep Method: SW846 5030B

Prep Date: 12/12/02

Analyst: JSF

Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
Acetone	< 5.0	5.0	ug/L	&	12/12/02	SW846 8260B
Benzene	< 1.0	1.0	ug/L		12/12/02	SW846 8260B
2-Butanone	< 5.0	5.0	ug/L		12/12/02	SW846 8260B
Chloroform	32	1.0	ug/L		12/12/02	SW846 8260B
Chloromethane	< 1.0	1.0	ug/L		12/12/02	SW846 8260B
1,1-Dichloroethane	< 1.0	1.0	ug/L		12/12/02	SW846 8260B
1,2-Dichloroethane	1.9	1.0	ug/L		12/12/02	SW846 8260B
1,1-Dichloroethene	19	1.0	ug/L		12/12/02	SW846 8260B
cis-1,2-Dichloroethene	9.6	1.0	ug/L		12/12/02	SW846 8260B
trans-1,2-Dichloroethene	< 1.0	1.0	ug/L		12/12/02	SW846 8260B
Methylene chloride	< 1.0	1.0	ug/L		12/12/02	SW846 8260B
Tetrachloroethene	72	1.0	ug/L	&	12/12/02	SW846 8260B
1,1,1-Trichloroethane	6.3	1.0	ug/L		12/12/02	SW846 8260B
1,1,2-Trichloroethane	0.81	J	1.0		12/12/02	SW846 8260B
Trichloroethene	160	1.0	ug/L		12/12/02	SW846 8260B

- Analytical Report -

Project Name : MEDLEY FARM

Project Number : 71243.12

Client : RMT - GREENVILLE

Field ID : TBLK 02401

Report Date : 12/16/02

Lab Sample Number : 829345-012

Collection Date : 12/3/02

South Carolina No. : 83006001

Matrix Type : WATER

Organic Results

SPECIAL VOLATILE LIST - WATER

Prep Method: SW846 5030B

Prep Date: 12/12/02

Analyst: JSF

Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
Acetone	< 5.0	5.0	ug/L	&	12/12/02	SW846 8260B
Benzene	< 1.0	1.0	ug/L		12/12/02	SW846 8260B
2-Butanone	< 5.0	5.0	ug/L		12/12/02	SW846 8260B
Chloroform	< 1.0	1.0	ug/L		12/12/02	SW846 8260B
Chloromethane	< 1.0	1.0	ug/L		12/12/02	SW846 8260B
1,1-Dichloroethane	< 1.0	1.0	ug/L		12/12/02	SW846 8260B
1,2-Dichloroethane	< 1.0	1.0	ug/L		12/12/02	SW846 8260B
1,1-Dichloroethene	< 1.0	1.0	ug/L		12/12/02	SW846 8260B
cis-1,2-Dichloroethene	< 1.0	1.0	ug/L		12/12/02	SW846 8260B
trans-1,2-Dichloroethene	< 1.0	1.0	ug/L		12/12/02	SW846 8260B
Methylene chloride	< 1.0	1.0	ug/L		12/12/02	SW846 8260B
Tetrachloroethene	< 1.0	1.0	ug/L	&	12/12/02	SW846 8260B
1,1,1-Trichloroethane	< 1.0	1.0	ug/L		12/12/02	SW846 8260B
1,1,2-Trichloroethane	< 1.0	1.0	ug/L		12/12/02	SW846 8260B
Trichloroethene	< 1.0	1.0	ug/L		12/12/02	SW846 8260B

EPA
Level
2

CHAIN OF CUSTODY RECORD

1/2

No 74672

100 Verdae Boulevard, P.O. Box 16778 • Greenville, SC 29606-6778 • Phone (864) 281-0030 • Fax (864) 281-0288

Project No.	Project/Client:
71243.12	Medley
Project Manager/Contact Person: Lisa Clark / Liesl Hintz	

Lab No.	Yr. Date	Time	Sample Station ID	Total Number of Containers <i>(or 40 ml)</i>	MATRIX	Filtered (Yes/No)	N	Comments:
						Preserved (Code)	E	
001	12/3	1015	A-1	3	GW	3		*-Special VOC List See Work Order
002	12/3	1035	A-2	3	GW	3		
003	12/3	1100	A-3	3	GW			
004	12/3	1300	A-4	3	GW			
005	12/3	1330	A-5	3	GW			
006	12/3	1350	A-6	3	GW			
007	12/3	1410	A-7	3	GW			
008	12/3	1420	B-1	3	GW			
009	12/3	1455	B-2	3	GW			
010	12/3	1535	B-3	3	GW			

SPECIAL INSTRUCTIONS

Air B: #60819671-872

SAMPLER Relinquished by (Sig.) <i>Susan Denner</i>	Date/Time 1800 12-5-02	Received by (Sig.) <i>Airborne</i>	Date/Time 1800 12-5-02	HAZARDS ASSOCIATED WITH SAMPLES	Turn Around (circle one) Normal	Rush
Relinquished by (Sig.) <i>Airborne</i>	Date/Time	Received by (Sig.) <i>Susan Denner</i>	Date/Time 12/6/02 1100	<input type="checkbox"/> Flammable <input type="checkbox"/> Corrosive <input type="checkbox"/> Highly Toxic <input type="checkbox"/> Other (list) <i> </i>	Report Due _____	(For Lab Use Only)
Relinquished by (Sig.) <i>tt</i>	Date/Time	Received by (Sig.)	Date/Time		Receipt Temp: 3.0°C Temp Blank Y N	Receipt pH (Wet/Metals)
Custody Seal: Present/Absent Intact/Not Intact Seal #'s						



CHAIN OF CUSTODY RECORD

✓JF

Nº 74673

42

100 Verdae Boulevard, P.O. Box 16778 • Greenville, SC 29606-6778 • Phone (864) 281-0030 • Fax (864) 281-0288

Project No. 71243.12	Project/Client: Medley	
Project Manager/Contact Person: Lisa Clark / Liesl Hintz		Number trainers X

SPECIAL INSTRUCTIONS

Air Bill #60819671-872

SAMPLER Relinquished by (Sig.) <i>Spencer</i>	Date/Time 1800 12-5-02	Received by (Sig.) <i>Airborne</i>	Date/Time 1800 12-5-02	HAZARDS ASSOCIATED WITH SAMPLES <input type="checkbox"/> Flammable <input type="checkbox"/> Corrosive <input type="checkbox"/> Highly Toxic <input type="checkbox"/> Other (list) <hr/>	Turn Around (circle one)	Normal	Rush	
Relinquished by (Sig.)	Date/Time	Received by (Sig.)	Date/Time		Report Due _____	(For Lab Use Only)		
Relinquished by (Sig.) <i>AS</i>	Date/Time	Received by (Sig.)	Date/Time		Receipt Temp: 3.0°C	Receipt pH (Wet/Metals)		
Custody Seal: Present/Absent Intact/Not Intact Seal #'s				Temp Blank	Y <input checked="" type="radio"/> N			



Corporate Office & Laboratory
1241 Bellevue Street, Suite 9 • Green Bay, WI 54302
920-469-2436 • FAX: 920-469-8827 • 800-7-ENCHEM
www.enchem.com

- Analytical Report -

Project Name : MEDLEY FARM

Project Number : 71243.12

Client: RMT - GREENVILLE

South Carolina Cert# : 83006001

Sample No.	Field ID	Collection Date	Sample No.	Field ID	Collection Date
829396-001	TBLK-02402	12/6/2002			
829396-002	SW-102	12/6/2002			
829396-003	MW4-2	12/6/2002			
829396-004	SW-101	12/6/2002			
829396-005	BW-201	12/6/2002			
829396-008	BW-202	12/6/2002			
829396-009	DU-02401	12/6/2002			

Please visit our Internet homepage at: www.enchem.com

The "J" flag is present when a parameter has been detected below the EQL but at or above the MDL.

Soil VOC detects are corrected for the total solids, unless otherwise noted.

I certify that the data contained in this Final Report has been generated and reviewed in accordance with approved methods and Laboratory Standard Operating Procedure. Exceptions, if any, are discussed in the accompanying sample comments. Release of this final report is authorized by Laboratory management, as is verified by the following signature. Reported results shall not be reproduced, except in full, without the written approval of the lab. The sample results relate only to the analytes of interest tested.

Tom Trainer
Approval Signature

12/19/02
Date

En Chem, Inc. Cooler Receipt Log

Batch No. 829396

Project Name or ID 71243.12 No. of Coolers: 1 Temps: 1.0 °C

A. Receipt Phase: Date cooler was opened: 12/7/02 By: KAP

- | | | |
|--|---|--|
| 1: Were samples received on ice? (Must be ≤ 6 C)..... | <input checked="" type="radio"/> YES | NO ² |
| 2. Was there a Temperature Blank?..... | <input checked="" type="radio"/> YES | <input checked="" type="radio"/> NO |
| 3: Were custody seals present and intact? (Record on COC)..... | <input checked="" type="radio"/> YES | NO |
| 4: Are COC documents present?..... | <input checked="" type="radio"/> YES | NO ² |
| 5: Does this Project require quick turn around analysis?..... | YES | <input checked="" type="radio"/> NO |
| 6: Is there any sub-work?..... | YES | <input checked="" type="radio"/> NO |
| 7: Are there any short hold time tests?..... | YES | <input checked="" type="radio"/> NO |
| 8: Are any samples nearing expiration of hold-time? (Within 2 days)..... | <input checked="" type="radio"/> YES ¹ | <input checked="" type="radio"/> NO Contacted by/Who _____ |
| 9: Do any samples need to be Filtered or Preserved in the lab?..... | <input checked="" type="radio"/> YES ¹ | <input checked="" type="radio"/> NO Contacted by/Who _____ |

B. Check-In Phase: Date samples were Checked-in: 12/7/02 By: KAP

- | | | | |
|--|--------------------------------------|--------------------------------------|-------------------------------------|
| 1: Were all sample containers listed on the COC received and intact?..... | <input checked="" type="radio"/> YES | NO ² | NA |
| 2: Sign the COC as received by En Chem. Completed..... | <input checked="" type="radio"/> YES | NO | |
| 3: Do sample labels match the COC? | <input checked="" type="radio"/> YES | NO ² | |
| 4: Check sample pH of preserved samples. (Not VOCs) Completed..... | YES | NO | <input checked="" type="radio"/> NA |
| 5: Do samples have correct chemical preservation?..... | <input checked="" type="radio"/> YES | NO ² | NA |
| 6: Are dissolved parameters field filtered?..... | YES | NO ² | <input checked="" type="radio"/> NA |
| 7: Are sample volumes adequate for tests requested? | <input checked="" type="radio"/> YES | NO ² | |
| 8: Are VOC samples free of bubbles >6mm | <input checked="" type="radio"/> YES | NO ² | NA |
| 9: Enter samples into logbook. Completed..... | <input checked="" type="radio"/> YES | NO | |
| 10: Place laboratory sample number on all containers and COC. Completed..... | <input checked="" type="radio"/> YES | NO | |
| 11: Complete Laboratory Tracking Sheet (LTS). Completed..... | YES | NO | <input checked="" type="radio"/> NA |
| 12: Start Nonconformance form. | YES | NO | <input checked="" type="radio"/> NA |
| 13: Initiate Subcontracting procedure. Completed..... | <input checked="" type="radio"/> YES | NO | <input checked="" type="radio"/> NA |
| 14: Check laboratory sample number on all containers and COC. | <u>12/7/02</u> | <input checked="" type="radio"/> YES | NO NA |

Short Hold-time tests:

48 Hours or less	7 days	Footnotes
Coliform (6 hrs)	Flashpoint	1 Notify proper lab group
Hexavalent Chromium (24 Hrs)	TSS	Immediately.
BOD	Total Solids	2 Complete nonconformance memo.
Nitrite or Nitrate	TDS	
Low Level Mercury	Sulfide	
Ortho Phosphorus	Free Liquids	
Turbidity	Total Volatile Solids	
Surfactants	Aqueous Extractable Organics- ALL	
Sulfite	Unpreserved VOC's	
En Core Preservation	Ash	
Color		

Rev. 9/5/2001, Attachment to 1-REC-5.
Subject to QA Audit.

Reviewed by/date TJA 12/10/02

- Analytical Report -

Project Name : MEDLEY FARM

Project Number : 71243.12

Client : RMT - GREENVILLE

Field ID : TBLK-02402

Report Date : 12/18/02

Lab Sample Number : 829396-001

Collection Date : 12/6/02

South Carolina No. : 83006001

Matrix Type : WATER

Organic Results

SPECIAL VOLATILE LIST - WATER		Prep Method: SW846 5030B		Prep Date: 12/12/02		Analyst: JSF	
Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method	
Acetone	< 5.0	5.0	ug/L		12/13/02	SW846 8260B	
Benzene	< 1.0	1.0	ug/L		12/13/02	SW846 8260B	
2-Butanone	< 5.0	5.0	ug/L		12/13/02	SW846 8260B	
Chloroform	< 1.0	1.0	ug/L		12/13/02	SW846 8260B	
Chloromethane	< 1.0	1.0	ug/L		12/13/02	SW846 8260B	
1,1-Dichloroethane	< 1.0	1.0	ug/L		12/13/02	SW846 8260B	
1,2-Dichloroethane	< 1.0	1.0	ug/L		12/13/02	SW846 8260B	
1,1-Dichloroethene	< 1.0	1.0	ug/L		12/13/02	SW846 8260B	
cis-1,2-Dichloroethene	< 1.0	1.0	ug/L		12/13/02	SW846 8260B	
trans-1,2-Dichloroethene	< 1.0	1.0	ug/L		12/13/02	SW846 8260B	
Methylene chloride	< 1.0	1.0	ug/L		12/13/02	SW846 8260B	
Tetrachloroethene	< 1.0	1.0	ug/L		12/13/02	SW846 8260B	
1,1,1-Trichloroethane	< 1.0	1.0	ug/L		12/13/02	SW846 8260B	
1,1,2-Trichloroethane	< 1.0	1.0	ug/L		12/13/02	SW846 8260B	
Trichloroethene	< 1.0	1.0	ug/L		12/13/02	SW846 8260B	

- Analytical Report -

Project Name : MEDLEY FARM

Project Number : 71243.12

Field ID : SW-102

Client : RMT - GREENVILLE

Lab Sample Number : 829396-002

Report Date : 12/18/02

South Carolina No. : 83006001

Collection Date : 12/6/02

Matrix Type : WATER

Organic Results**SPECIAL VOLATILE LIST - WATER**

Prep Method: SW846 5030B

Prep Date: 12/12/02

Analyst: JSF

Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
Acetone	< 5.0	5.0	ug/L		12/13/02	SW846 8260B
Benzene	< 1.0	1.0	ug/L		12/13/02	SW846 8260B
2-Butanone	< 5.0	5.0	ug/L		12/13/02	SW846 8260B
Chloroform	< 1.0	1.0	ug/L		12/13/02	SW846 8260B
Chloromethane	< 1.0	1.0	ug/L		12/13/02	SW846 8260B
1,1-Dichloroethane	< 1.0	1.0	ug/L		12/13/02	SW846 8260B
1,2-Dichloroethane	< 1.0	1.0	ug/L		12/13/02	SW846 8260B
1,1-Dichloroethene	< 1.0	1.0	ug/L		12/13/02	SW846 8260B
cis-1,2-Dichloroethene	< 1.0	1.0	ug/L		12/13/02	SW846 8260B
trans-1,2-Dichloroethene	< 1.0	1.0	ug/L		12/13/02	SW846 8260B
Methylene chloride	< 1.0	1.0	ug/L		12/13/02	SW846 8260B
Tetrachloroethene	< 1.0	1.0	ug/L		12/13/02	SW846 8260B
1,1,1-Trichloroethane	< 1.0	1.0	ug/L		12/13/02	SW846 8260B
1,1,2-Trichloroethane	< 1.0	1.0	ug/L		12/13/02	SW846 8260B
Trichloroethene	< 1.0	1.0	ug/L		12/13/02	SW846 8260B

- Analytical Report -

Project Name : MEDLEY FARM

Project Number : 71243.12

Client : RMT - GREENVILLE

Field ID : MW4-2

Report Date : 12/18/02

Lab Sample Number : 829396-003

Collection Date : 12/6/02

South Carolina No. : 83006001

Matrix Type : WATER

Organic Results

SPECIAL VOLATILE LIST - WATER

Prep Method: SW846 5030B

Prep Date: 12/12/02

Analyst: JSF

Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
Acetone	< 5.0	5.0	ug/L		12/13/02	SW846 8260B
Benzene	< 1.0	1.0	ug/L		12/13/02	SW846 8260B
2-Butanone	< 5.0	5.0	ug/L		12/13/02	SW846 8260B
Chloroform	12	1.0	ug/L		12/13/02	SW846 8260B
Chloromethane	< 1.0	1.0	ug/L		12/13/02	SW846 8260B
1,1-Dichloroethane	< 1.0	1.0	ug/L		12/13/02	SW846 8260B
1,2-Dichloroethane	< 1.0	1.0	ug/L		12/13/02	SW846 8260B
1,1-Dichloroethene	1.5	1.0	ug/L		12/13/02	SW846 8260B
cis-1,2-Dichloroethene	1.2	1.0	ug/L		12/13/02	SW846 8260B
trans-1,2-Dichloroethene	< 1.0	1.0	ug/L		12/13/02	SW846 8260B
Methylene chloride	< 1.0	1.0	ug/L		12/13/02	SW846 8260B
Tetrachloroethene	45	1.0	ug/L		12/13/02	SW846 8260B
1,1,1-Trichloroethane	< 1.0	1.0	ug/L		12/13/02	SW846 8260B
1,1,2-Trichloroethane	1.5	1.0	ug/L		12/13/02	SW846 8260B
Trichloroethene	170	1.0	ug/L		12/13/02	SW846 8260B

- Analytical Report -**Project Name : MEDLEY FARM****Project Number : 71243.12****Client : RMT - GREENVILLE****Field ID : SW-101****Report Date : 12/18/02****Lab Sample Number : 829396-004****Collection Date : 12/6/02****South Carolina No. : 83006001****Matrix Type : WATER****Organic Results****SPECIAL VOLATILE LIST - WATER****Prep Method: SW846 5030B****Prep Date: 12/12/02****Analyst: JSF**

Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
Acetone	< 5.0	5.0	ug/L		12/13/02	SW846 8260B
Benzene	< 1.0	1.0	ug/L		12/13/02	SW846 8260B
2-Butanone	< 5.0	5.0	ug/L		12/13/02	SW846 8260B
Chloroform	< 1.0	1.0	ug/L		12/13/02	SW846 8260B
Chloromethane	< 1.0	1.0	ug/L		12/13/02	SW846 8260B
1,1-Dichloroethane	< 1.0	1.0	ug/L		12/13/02	SW846 8260B
1,2-Dichloroethane	< 1.0	1.0	ug/L		12/13/02	SW846 8260B
1,1-Dichloroethene	< 1.0	1.0	ug/L		12/13/02	SW846 8260B
cis-1,2-Dichloroethene	< 1.0	1.0	ug/L		12/13/02	SW846 8260B
trans-1,2-Dichloroethene	< 1.0	1.0	ug/L		12/13/02	SW846 8260B
Methylene chloride	< 1.0	1.0	ug/L		12/13/02	SW846 8260B
Tetrachloroethene	< 1.0	1.0	ug/L		12/13/02	SW846 8260B
1,1,1-Trichloroethane	< 1.0	1.0	ug/L		12/13/02	SW846 8260B
1,1,2-Trichloroethane	< 1.0	1.0	ug/L		12/13/02	SW846 8260B
Trichloroethene	< 1.0	1.0	ug/L		12/13/02	SW846 8260B

- Analytical Report -**Project Name : MEDLEY FARM****Project Number : 71243.12****Client : RMT - GREENVILLE****Field ID : BW-201****Report Date : 12/18/02****Lab Sample Number : 829396-005****Collection Date : 12/6/02****South Carolina No. : 83006001****Matrix Type : WATER****Organic Results****SPECIAL VOLATILE LIST - WATER****Prep Method: SW846 5030B****Prep Date: 12/12/02****Analyst: JSF**

Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
Acetone	< 5.0	5.0	ug/L		12/13/02	SW846 8260B
Benzene	< 1.0	1.0	ug/L		12/13/02	SW846 8260B
2-Butanone	< 5.0	5.0	ug/L		12/13/02	SW846 8260B
Chloroform	< 1.0	1.0	ug/L		12/13/02	SW846 8260B
Chloromethane	< 1.0	1.0	ug/L		12/13/02	SW846 8260B
1,1-Dichloroethane	< 1.0	1.0	ug/L		12/13/02	SW846 8260B
1,2-Dichloroethane	< 1.0	1.0	ug/L		12/13/02	SW846 8260B
1,1-Dichloroethene	< 1.0	1.0	ug/L		12/13/02	SW846 8260B
cis-1,2-Dichloroethene	< 1.0	1.0	ug/L		12/13/02	SW846 8260B
trans-1,2-Dichloroethene	< 1.0	1.0	ug/L		12/13/02	SW846 8260B
Methylene chloride	< 1.0	1.0	ug/L		12/13/02	SW846 8260B
Tetrachloroethene	2.3	1.0	ug/L		12/13/02	SW846 8260B
1,1,1-Trichloroethane	< 1.0	1.0	ug/L		12/13/02	SW846 8260B
1,1,2-Trichloroethane	< 1.0	1.0	ug/L		12/13/02	SW846 8260B
Trichloroethene	3.9	1.0	ug/L		12/13/02	SW846 8260B

- Analytical Report -**Project Name : MEDLEY FARM****Project Number : 71243.12****Client : RMT - GREENVILLE****Field ID : BW-202****Report Date : 12/18/02****Lab Sample Number : 829396-008****Collection Date : 12/6/02****South Carolina No. : 83006001****Matrix Type : WATER****Organic Results****SPECIAL VOLATILE LIST - WATER****Prep Method: SW846 5030B****Prep Date: 12/12/02****Analyst: JSF**

Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
Acetone	< 5.0	5.0	ug/L		12/13/02	SW846 8260B
Benzene	< 1.0	1.0	ug/L		12/13/02	SW846 8260B
2-Butanone	< 5.0	5.0	ug/L		12/13/02	SW846 8260B
Chloroform	< 1.0	1.0	ug/L		12/13/02	SW846 8260B
Chloromethane	< 1.0	1.0	ug/L		12/13/02	SW846 8260B
1,1-Dichloroethane	< 1.0	1.0	ug/L		12/13/02	SW846 8260B
1,2-Dichloroethane	< 1.0	1.0	ug/L		12/13/02	SW846 8260B
1,1-Dichloroethene	< 1.0	1.0	ug/L		12/13/02	SW846 8260B
cis-1,2-Dichloroethene	< 1.0	1.0	ug/L		12/13/02	SW846 8260B
trans-1,2-Dichloroethene	< 1.0	1.0	ug/L		12/13/02	SW846 8260B
Methylene chloride	< 1.0	1.0	ug/L		12/13/02	SW846 8260B
Tetrachloroethene	2.4	1.0	ug/L		12/13/02	SW846 8260B
1,1,1-Trichloroethane	< 1.0	1.0	ug/L		12/13/02	SW846 8260B
1,1,2-Trichloroethane	< 1.0	1.0	ug/L		12/13/02	SW846 8260B
Trichloroethene	< 1.0	1.0	ug/L		12/13/02	SW846 8260B

- Analytical Report -

Project Name : MEDLEY FARM

Project Number : 71243.12

Client : RMT - GREENVILLE

Field ID : DU-02401

Report Date : 12/18/02

Lab Sample Number : 829396-009

Collection Date : 12/6/02

South Carolina No. : 83006001

Matrix Type : WATER

Organic Results**SPECIAL VOLATILE LIST - WATER**

Prep Method: SW846 5030B

Prep Date: 12/12/02

Analyst: JSF

Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
Acetone	< 5.0	5.0	ug/L		12/13/02	SW846 8260B
Benzene	< 1.0	1.0	ug/L		12/13/02	SW846 8260B
2-Butanone	< 5.0	5.0	ug/L		12/13/02	SW846 8260B
Chloroform	< 1.0	1.0	ug/L		12/13/02	SW846 8260B
Chloromethane	< 1.0	1.0	ug/L		12/13/02	SW846 8260B
1,1-Dichloroethane	< 1.0	1.0	ug/L		12/13/02	SW846 8260B
1,2-Dichloroethane	< 1.0	1.0	ug/L		12/13/02	SW846 8260B
1,1-Dichloroethene	< 1.0	1.0	ug/L		12/13/02	SW846 8260B
cis-1,2-Dichloroethene	< 1.0	1.0	ug/L		12/13/02	SW846 8260B
trans-1,2-Dichloroethene	< 1.0	1.0	ug/L		12/13/02	SW846 8260B
Methylene chloride	< 1.0	1.0	ug/L		12/13/02	SW846 8260B
Tetrachloroethene	< 1.0	1.0	ug/L		12/13/02	SW846 8260B
1,1,1-Trichloroethane	< 1.0	1.0	ug/L		12/13/02	SW846 8260B
1,1,2-Trichloroethane	< 1.0	1.0	ug/L		12/13/02	SW846 8260B
Trichloroethene	< 1.0	1.0	ug/L		12/13/02	SW846 8260B

EPA
Level
2

CHAIN OF CUSTODY RECORD

No 73824

100 Verdae Boulevard, P.O. Box 16778 • Greenville, SC 29606-6778 • Phone (864) 281-0030 • Fax (864) 281-0288

829396

Project No.	Project/Client:
71043.12	Medley Farm
Project Manager/Contact Person: S. Webb / Lisa Clark	

Lab No.	Yr. <u>02</u> Date	Time	Sample Station ID	Total Number Of Containers	MATRIX	Filtered (Yes/No)	N	Comments:
						Preserved (Code)	E	
001	—	—	TBLL-02402	3	DI	X		
002	12/6	1015	SW-102	3	GW	X		
003	1	1050	MW4-2	3	/	X		
004	1	1115	SW-101	3	/	X		
005/006/ 007	1	1200	BW-201	6	/	X		3 extra vials MS/MSD
008	1240	1240	BW-202	3	/	X		
009	—	—	DU-02401	3	GW	X		

Analyses Requested
VOC - See add'l SW-List
TP n10p2

SPECIAL INSTRUCTIONS

60819674-370

SAMPLER Relinquished by (Sig.) 	Date/Time 12-6-02	Received by (Sig.) Airborne	Date/Time 12-6-02	HAZARDS ASSOCIATED WITH SAMPLES <input type="checkbox"/> Flammable <input type="checkbox"/> Corrosive <input type="checkbox"/> Highly Toxic <input type="checkbox"/> Other (list) _____	Turn Around (circle one) Normal	Rush
Relinquished by (Sig.) Airborne	Date/Time 12/7/02 1230	Received by (Sig.) Kathy Farbush	Date/Time 12/7/02 1230		Report Due _____	(For Lab Use Only)
Relinquished by (Sig.) 	Date/Time	Received by (Sig.)	Date/Time		Receipt Temp: 1.00C Temp Blank Y N	Receipt pH (Wet/Metals) N/A
Custody Seal: <input checked="" type="radio"/> Present <input type="radio"/> Absent <input checked="" type="radio"/> Intact <input type="radio"/> Not Intact Seal #'s GS 0						



Corporate Office & Laboratory
1241 Bellevue Street, Suite 9 • Green Bay, WI 54302
920-469-2436 • FAX: 920-469-8827 • 800-7-ENCHEM
www.enchem.com

- Analytical Report -

Project Name : MEDLEY FARM

Project Number : 71243.12

Client: RMT - GREENVILLE

South Carolina Cert# : 83006001

Sample No.	Field ID	Collection Date	Sample No.	Field ID	Collection Date
829647-001	TBLK-02402	12/9/2002			
829647-002	MLW3-1	12/9/2002			
829647-003	MLW3-2	12/9/2002			
829647-004	MLW3-3	12/9/2002			
829647-005	MLW1-1	12/9/2002			
829647-006	MLW1-2	12/9/2002			
829647-007	MLW1-3	12/9/2002			
829647-008	BW-108	12/10/2002			
829647-011	BW-3	12/10/2002			
829647-012	DU-02402	12/10/2002			
829647-013	BW-110	12/10/2002			
829647-014	MW-3D	12/10/2002			
829647-015	MW2-2	12/11/2002			
829647-016	FBLK-02401	12/11/2002			
829647-017	MW2-1	12/11/2002			
829647-018	MW4-1	12/11/2002			
829647-019	BW-105	12/11/2002			
829647-020	FBLK-02402	12/11/2002			

Please visit our Internet homepage at: www.enchem.com

The "J" flag is present when a parameter has been detected below the EQL but at or above the MDL.

Soil VOC detects are corrected for the total solids, unless otherwise noted.

I certify that the data contained in this Final Report has been generated and reviewed in accordance with approved methods and Laboratory Standard Operating Procedure. Exceptions, if any, are discussed in the accompanying sample comments. Release of this final report is authorized by Laboratory management, as is verified by the following signature. Reported results shall not be reproduced, except in full, without the written approval of the lab. The sample results relate only to the analytes of interest tested.



Approval Signature

1/2/03

Date

En Chem, Inc. Cooler Receipt Log

Batch No. 829647

Project Name or ID 71243.12

No. of Coolers: 1 Temps: 2.0 °C

A. Receipt Phase: Date cooler was opened: 12-13-02 By: 6D

- 1: Were samples received on ice? (Must be ≤ 6 C) YES NO²
 2: Was there a Temperature Blank? YES NO
 3: Were custody seals present and intact? (Record on COC) YES NO
 4: Are COC documents present? YES NO²
 5: Does this Project require quick turn around analysis? YES NO
 6: Is there any sub-work? YES NO
 7: Are there any short hold time tests? YES NO
 8: Are any samples nearing expiration of hold-time? (Within 2 days) YES¹ Contacted by/Who _____
 9: Do any samples need to be Filtered or Preserved in the lab? YES¹ Contacted by/Who _____

B. Check-in Phase: Date samples were Checked-in: 12-13-02 By: 6D

- 1: Were all sample containers listed on the COC received and intact? YES NO² NA
 2: Sign the COC as received by En Chem. Completed YES NO
 3: Do sample labels match the COC? YES NO²
 4: Check sample pH of preserved samples. (Not VOCs) Completed YES NO NA
 5: Do samples have correct chemical preservation? YES NO² NA
 6: Are dissolved parameters field filtered? YES NO² NA
 7: Are sample volumes adequate for tests requested? YES NO²
 8: Are VOC samples free of bubbles >6mm YES NO² NA
 9: Enter samples into logbook. Completed YES NO
 10: Place laboratory sample number on all containers and COC. Completed YES NO
 11: Complete Laboratory Tracking Sheet (LTS). Completed YES NO NA
 12: Start Nonconformance form. YES NO NA
 13: Initiate Subcontracting procedure. Completed YES NO NA
 14: Check laboratory sample number on all containers and COC. YES NO NA

Short Hold-time tests:

48 Hours or less	7 days	Footnotes
Coliform (6 hrs)	Flashpoint	1 Notify proper lab group immediately.
Hexavalent Chromium (24 Hrs)	TSS	2 Complete nonconformance memo.
BOD	Total Solids	
Nitrite or Nitrate	TDS	
Low Level Mercury	Sulfide	
Ortho Phosphorus	Free Liquids	
Turbidity	Total Volatile Solids	
Surfactants	Aqueous Extractable Organics- ALL	
Sulfite	Unpreserved VOC's	
En Core Preservation	Ash	
Color		

Rev. 9/5/2001, Attachment to 1-REC-5.

Subject to QA Audit.

Reviewed by/date TAT 12/16/02

- Analytical Report -

Project Name : MEDLEY FARM

Project Number : 71243.12

Client : RMT - GREENVILLE

Field ID : TBLK-02402

Report Date : 1/2/2003

Lab Sample Number : 829647-001

Collection Date : 12/9/2002

South Carolina No. : 83006001

Matrix Type : WATER

Organic Results**SPECIAL VOLATILE LIST - WATER**

Prep Method: SW846 5030B

Prep Date: 12/17/02

Analyst: JSF

Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
Acetone	< 5.0	5.0	ug/L	&	12/17/02	SW846 8260B
Benzene	< 1.0	1.0	ug/L		12/17/02	SW846 8260B
2-Butanone	< 5.0	5.0	ug/L		12/17/02	SW846 8260B
Chloroform	< 1.0	1.0	ug/L		12/17/02	SW846 8260B
Chloromethane	< 1.0	1.0	ug/L		12/17/02	SW846 8260B
1,1-Dichloroethane	< 1.0	1.0	ug/L		12/17/02	SW846 8260B
1,2-Dichloroethane	< 1.0	1.0	ug/L		12/17/02	SW846 8260B
1,1-Dichloroethene	< 1.0	1.0	ug/L		12/17/02	SW846 8260B
cis-1,2-Dichloroethene	< 1.0	1.0	ug/L		12/17/02	SW846 8260B
trans-1,2-Dichloroethene	< 1.0	1.0	ug/L		12/17/02	SW846 8260B
Methylene chloride	< 1.0	1.0	ug/L		12/17/02	SW846 8260B
Tetrachloroethene	< 1.0	1.0	ug/L		12/17/02	SW846 8260B
1,1,1-Trichloroethane	< 1.0	1.0	ug/L		12/17/02	SW846 8260B
1,1,2-Trichloroethane	< 1.0	1.0	ug/L		12/17/02	SW846 8260B
Trichloroethene	< 1.0	1.0	ug/L		12/17/02	SW846 8260B

- Analytical Report -

Project Name : MEDLEY FARM

Project Number : 71243.12

Client : RMT - GREENVILLE

Field ID : MLW3-1

Report Date : 1/2/2003

Lab Sample Number : 829647-002

Collection Date : 12/9/2002

South Carolina No. : 83006001

Matrix Type : WATER

Organic Results

SPECIAL VOLATILE LIST - WATER Prep Method: SW846 5030B Prep Date: 12/17/02 Analyst: JSF

Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
Acetone	6800	250	ug/L	&	12/19/02	SW846 8260B
Benzene	< 50	50	ug/L		12/19/02	SW846 8260B
2-Butanone	1200	250	ug/L		12/19/02	SW846 8260B
Chloroform	< 50	50	ug/L		12/19/02	SW846 8260B
Chloromethane	< 50	50	ug/L		12/19/02	SW846 8260B
1,1-Dichloroethane	< 50	50	ug/L		12/19/02	SW846 8260B
1,2-Dichloroethane	< 50	50	ug/L		12/19/02	SW846 8260B
1,1-Dichloroethene	< 50	50	ug/L		12/19/02	SW846 8260B
cis-1,2-Dichloroethene	< 50	50	ug/L		12/19/02	SW846 8260B
trans-1,2-Dichloroethene	< 50	50	ug/L		12/19/02	SW846 8260B
Methylene chloride	< 50	50	ug/L		12/19/02	SW846 8260B
Tetrachloroethene	< 50	50	ug/L		12/19/02	SW846 8260B
1,1,1-Trichloroethane	< 50	50	ug/L		12/19/02	SW846 8260B
1,1,2-Trichloroethane	< 50	50	ug/L		12/19/02	SW846 8260B
Trichloroethene	< 50	50	ug/L		12/19/02	SW846 8260B

- Analytical Report -

Project Name : MEDLEY FARM

Project Number : 71243.12

Client : RMT - GREENVILLE

Field ID : MLW3-2

Report Date : 1/2/2003

Lab Sample Number : 829647-003

Collection Date : 12/9/2002

South Carolina No. : 83006001

Matrix Type : WATER

Organic Results**SPECIAL VOLATILE LIST - WATER**

Prep Method: SW846 5030B

Prep Date: 12/19/02

Analyst: JSF

Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
Acetone	< 5.0	5.0	ug/L	&	12/19/02	SW846 8260B
Benzene	< 1.0	1.0	ug/L		12/19/02	SW846 8260B
2-Butanone	< 5.0	5.0	ug/L		12/19/02	SW846 8260B
Chloroform	< 1.0	1.0	ug/L		12/19/02	SW846 8260B
Chloromethane	< 1.0	1.0	ug/L		12/19/02	SW846 8260B
1,1-Dichloroethane	< 1.0	1.0	ug/L		12/19/02	SW846 8260B
1,2-Dichloroethane	< 1.0	1.0	ug/L		12/19/02	SW846 8260B
1,1-Dichloroethene	< 1.0	1.0	ug/L		12/19/02	SW846 8260B
cis-1,2-Dichloroethene	< 1.0	1.0	ug/L		12/19/02	SW846 8260B
trans-1,2-Dichloroethene	< 1.0	1.0	ug/L		12/19/02	SW846 8260B
Methylene chloride	< 1.0	1.0	ug/L		12/19/02	SW846 8260B
Tetrachloroethene	1.7	1.0	ug/L		12/19/02	SW846 8260B
1,1,1-Trichloroethane	< 1.0	1.0	ug/L		12/19/02	SW846 8260B
1,1,2-Trichloroethane	< 1.0	1.0	ug/L		12/19/02	SW846 8260B
Trichloroethene	5.3	1.0	ug/L		12/19/02	SW846 8260B

- Analytical Report -

Project Name : MEDLEY FARM

Project Number : 71243.12

Client : RMT - GREENVILLE

Field ID : MLW3-3

Report Date : 1/2/2003

Lab Sample Number : 829647-004

Collection Date : 12/9/2002

South Carolina No. : 83006001

Matrix Type : WATER

Organic Results**SPECIAL VOLATILE LIST - WATER**

Prep Method: SW846 5030B

Prep Date: 12/17/02

Analyst: JSF

Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
Acetone	< 5.0	5.0	ug/L	&	12/17/02	SW846 8260B
Benzene	< 1.0	1.0	ug/L		12/17/02	SW846 8260B
2-Butanone	< 5.0	5.0	ug/L		12/17/02	SW846 8260B
Chloroform	< 1.0	1.0	ug/L		12/17/02	SW846 8260B
Chloromethane	< 1.0	1.0	ug/L		12/17/02	SW846 8260B
1,1-Dichloroethane	< 1.0	1.0	ug/L		12/17/02	SW846 8260B
1,2-Dichloroethane	< 1.0	1.0	ug/L		12/17/02	SW846 8260B
1,1-Dichloroethene	< 1.0	1.0	ug/L		12/17/02	SW846 8260B
cis-1,2-Dichloroethene	< 1.0	1.0	ug/L		12/17/02	SW846 8260B
trans-1,2-Dichloroethene	< 1.0	1.0	ug/L		12/17/02	SW846 8260B
Methylene chloride	< 1.0	1.0	ug/L		12/17/02	SW846 8260B
Tetrachloroethene	1.9	1.0	ug/L		12/17/02	SW846 8260B
1,1,1-Trichloroethane	< 1.0	1.0	ug/L		12/17/02	SW846 8260B
1,1,2-Trichloroethane	< 1.0	1.0	ug/L		12/17/02	SW846 8260B
Trichloroethene	5.2	1.0	ug/L		12/17/02	SW846 8260B

- Analytical Report -**Project Name :** MEDLEY FARM**Project Number :** 71243.12**Client :** RMT - GREENVILLE**Field ID :** MLW1-1**Report Date :** 1/2/2003**Lab Sample Number :** 829647-005**Collection Date :** 12/9/2002**South Carolina No. :** 83006001**Matrix Type :** WATER**Organic Results****SPECIAL VOLATILE LIST - WATER****Prep Method:** SW846 5030B**Prep Date:** 12/17/02**Analyst:** JSF

Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
Acetone	< 5.0	5.0	ug/L	&	12/17/02	SW846 8260B
Benzene	< 1.0	1.0	ug/L		12/17/02	SW846 8260B
2-Butanone	< 5.0	5.0	ug/L		12/17/02	SW846 8260B
Chloroform	5.6	1.0	ug/L		12/17/02	SW846 8260B
Chloromethane	< 1.0	1.0	ug/L		12/17/02	SW846 8260B
1,1-Dichloroethane	< 1.0	1.0	ug/L		12/17/02	SW846 8260B
1,2-Dichloroethane	< 1.0	1.0	ug/L		12/17/02	SW846 8260B
1,1-Dichloroethene	< 1.0	1.0	ug/L		12/17/02	SW846 8260B
cis-1,2-Dichloroethene	< 1.0	1.0	ug/L		12/17/02	SW846 8260B
trans-1,2-Dichloroethene	< 1.0	1.0	ug/L		12/17/02	SW846 8260B
Methylene chloride	0.79	J	1.0		12/17/02	SW846 8260B
Tetrachloroethene	< 1.0	1.0	ug/L		12/17/02	SW846 8260B
1,1,1-Trichloroethane	< 1.0	1.0	ug/L		12/17/02	SW846 8260B
1,1,2-Trichloroethane	< 1.0	1.0	ug/L		12/17/02	SW846 8260B
Trichloroethene	< 1.0	1.0	ug/L		12/17/02	SW846 8260B

- Analytical Report -

Project Name : MEDLEY FARM

Project Number : 71243.12

Client : RMT - GREENVILLE

Field ID : MLW1-2

Report Date : 1/2/2003

Lab Sample Number : 829647-006

Collection Date : 12/9/2002

South Carolina No. : 83006001

Matrix Type : WATER

Organic Results

SPECIAL VOLATILE LIST - WATER		Prep Method: SW846 5030B		Prep Date: 12/17/02		Analyst: JSF	
Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method	
Acetone	16	5.0	ug/L	&	12/17/02	SW846 8260B	
Benzene	< 1.0	1.0	ug/L		12/17/02	SW846 8260B	
2-Butanone	16	5.0	ug/L		12/17/02	SW846 8260B	
Chloroform	5.8	1.0	ug/L		12/17/02	SW846 8260B	
Chloromethane	< 1.0	1.0	ug/L		12/17/02	SW846 8260B	
1,1-Dichloroethane	< 1.0	1.0	ug/L		12/17/02	SW846 8260B	
1,2-Dichloroethane	< 1.0	1.0	ug/L		12/17/02	SW846 8260B	
1,1-Dichloroethene	< 1.0	1.0	ug/L		12/17/02	SW846 8260B	
cis-1,2-Dichloroethene	< 1.0	1.0	ug/L		12/17/02	SW846 8260B	
trans-1,2-Dichloroethene	< 1.0	1.0	ug/L		12/17/02	SW846 8260B	
Methylene chloride	1.4	1.0	ug/L		12/17/02	SW846 8260B	
Tetrachloroethene	< 1.0	1.0	ug/L		12/17/02	SW846 8260B	
1,1,1-Trichloroethane	0.93	J	1.0	ug/L	12/17/02	SW846 8260B	
1,1,2-Trichloroethane	< 1.0	1.0	ug/L		12/17/02	SW846 8260B	
Trichloroethene	< 1.0	1.0	ug/L		12/17/02	SW846 8260B	

- Analytical Report -

Project Name : MEDLEY FARM

Project Number : 71243.12

Client : RMT - GREENVILLE

Field ID : MLW1-3

Report Date : 1/2/2003

Lab Sample Number : 829647-007

Collection Date : 12/9/2002

South Carolina No. : 83006001

Matrix Type : WATER

Organic Results**SPECIAL VOLATILE LIST - WATER** Prep Method: SW846 5030B Prep Date: 12/17/02 Analyst: JSF

Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
Acetone	50	5.0	ug/L	&	12/17/02	SW846 8260B
Benzene	< 1.0	1.0	ug/L		12/17/02	SW846 8260B
2-Butanone	< 5.0	5.0	ug/L		12/17/02	SW846 8260B
Chloroform	4.1	1.0	ug/L		12/17/02	SW846 8260B
Chloromethane	< 1.0	1.0	ug/L		12/17/02	SW846 8260B
1,1-Dichloroethane	< 1.0	1.0	ug/L		12/17/02	SW846 8260B
1,2-Dichloroethane	< 1.0	1.0	ug/L		12/17/02	SW846 8260B
1,1-Dichloroethene	< 1.0	1.0	ug/L		12/17/02	SW846 8260B
cis-1,2-Dichloroethene	< 1.0	1.0	ug/L		12/17/02	SW846 8260B
trans-1,2-Dichloroethene	< 1.0	1.0	ug/L		12/17/02	SW846 8260B
Methylene chloride	0.50	J	1.0		12/17/02	SW846 8260B
Tetrachloroethene	< 1.0	1.0	ug/L		12/17/02	SW846 8260B
1,1,1-Trichloroethane	0.97	J	1.0		12/17/02	SW846 8260B
1,1,2-Trichloroethane	< 1.0	1.0	ug/L		12/17/02	SW846 8260B
Trichloroethene	< 1.0	1.0	ug/L		12/17/02	SW846 8260B

- Analytical Report -

Project Name : MEDLEY FARM

Project Number : 71243.12

Client : RMT - GREENVILLE

Field ID : BW-108

Report Date : 1/2/2003

Lab Sample Number : 829647-008

Collection Date : 12/10/2002

South Carolina No. : 83006001

Matrix Type : WATER

Organic Results**SPECIAL VOLATILE LIST - WATER**

Prep Method: SW846 5030B

Prep Date: 12/17/02

Analyst: JSF

Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
Acetone	< 5.0	5.0	ug/L	&	12/17/02	SW846 8260B
Benzene	< 1.0	1.0	ug/L		12/17/02	SW846 8260B
2-Butanone	< 5.0	5.0	ug/L		12/17/02	SW846 8260B
Chloroform	< 1.0	1.0	ug/L		12/17/02	SW846 8260B
Chloromethane	< 1.0	1.0	ug/L		12/17/02	SW846 8260B
1,1-Dichloroethane	< 1.0	1.0	ug/L		12/17/02	SW846 8260B
1,2-Dichloroethane	< 1.0	1.0	ug/L		12/17/02	SW846 8260B
1,1-Dichloroethene	< 1.0	1.0	ug/L		12/17/02	SW846 8260B
cis-1,2-Dichloroethene	< 1.0	1.0	ug/L		12/17/02	SW846 8260B
trans-1,2-Dichloroethene	< 1.0	1.0	ug/L		12/17/02	SW846 8260B
Methylene chloride	< 1.0	1.0	ug/L		12/17/02	SW846 8260B
Tetrachloroethene	1.5	1.0	ug/L		12/17/02	SW846 8260B
1,1,1-Trichloroethane	< 1.0	1.0	ug/L		12/17/02	SW846 8260B
1,1,2-Trichloroethane	< 1.0	1.0	ug/L		12/17/02	SW846 8260B
Trichloroethene	1.6	1.0	ug/L		12/17/02	SW846 8260B

- Analytical Report -

Project Name : MEDLEY FARM

Project Number : 71243.12

Client : RMT - GREENVILLE

Field ID : BW-3

Report Date : 1/2/2003

Lab Sample Number : 829647-011

Collection Date : 12/10/2002

South Carolina No. : 83006001

Matrix Type : WATER

Organic Results**SPECIAL VOLATILE LIST - WATER**

Prep Method: SW846 5030B

Prep Date: 12/17/02

Analyst: JSF

Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
Acetone	< 5.0	5.0	ug/L	&	12/17/02	SW846 8260B
Benzene	< 1.0	1.0	ug/L		12/17/02	SW846 8260B
2-Butanone	< 5.0	5.0	ug/L		12/17/02	SW846 8260B
Chloroform	< 1.0	1.0	ug/L		12/17/02	SW846 8260B
Chloromethane	< 1.0	1.0	ug/L		12/17/02	SW846 8260B
1,1-Dichloroethane	< 1.0	1.0	ug/L		12/17/02	SW846 8260B
1,2-Dichloroethane	< 1.0	1.0	ug/L		12/17/02	SW846 8260B
1,1-Dichloroethene	< 1.0	1.0	ug/L		12/17/02	SW846 8260B
cis-1,2-Dichloroethene	< 1.0	1.0	ug/L		12/17/02	SW846 8260B
trans-1,2-Dichloroethene	< 1.0	1.0	ug/L		12/17/02	SW846 8260B
Methylene chloride	< 1.0	1.0	ug/L		12/17/02	SW846 8260B
Tetrachloroethene	< 1.0	1.0	ug/L		12/17/02	SW846 8260B
1,1,1-Trichloroethane	< 1.0	1.0	ug/L		12/17/02	SW846 8260B
1,1,2-Trichloroethane	< 1.0	1.0	ug/L		12/17/02	SW846 8260B
Trichloroethene	< 1.0	1.0	ug/L		12/17/02	SW846 8260B

- Analytical Report -

Project Name : MEDLEY FARM

Project Number : 71243.12

Client : RMT - GREENVILLE

Field ID : DU-02402

Report Date : 1/2/2003

Lab Sample Number : 829647-012

Collection Date : 12/10/2002

South Carolina No. : 83006001

Matrix Type : WATER

Organic Results**SPECIAL VOLATILE LIST - WATER**

Prep Method: SW846 5030B

Prep Date: 12/17/02

Analyst: JSF

Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
Acetone	< 5.0	5.0	ug/L	&	12/17/02	SW846 8260B
Benzene	< 1.0	1.0	ug/L		12/17/02	SW846 8260B
2-Butanone	< 5.0	5.0	ug/L		12/17/02	SW846 8260B
Chloroform	< 1.0	1.0	ug/L		12/17/02	SW846 8260B
Chloromethane	< 1.0	1.0	ug/L		12/17/02	SW846 8260B
1,1-Dichloroethane	< 1.0	1.0	ug/L		12/17/02	SW846 8260B
1,2-Dichloroethane	< 1.0	1.0	ug/L		12/17/02	SW846 8260B
1,1-Dichloroethene	< 1.0	1.0	ug/L		12/17/02	SW846 8260B
cis-1,2-Dichloroethene	< 1.0	1.0	ug/L		12/17/02	SW846 8260B
trans-1,2-Dichloroethene	< 1.0	1.0	ug/L		12/17/02	SW846 8260B
Methylene chloride	< 1.0	1.0	ug/L		12/17/02	SW846 8260B
Tetrachloroethene	< 1.0	1.0	ug/L		12/17/02	SW846 8260B
1,1,1-Trichloroethane	< 1.0	1.0	ug/L		12/17/02	SW846 8260B
1,1,2-Trichloroethane	< 1.0	1.0	ug/L		12/17/02	SW846 8260B
Trichloroethene	< 1.0	1.0	ug/L		12/17/02	SW846 8260B

- Analytical Report -

Project Name : MEDLEY FARM

Project Number : 71243.12

Client : RMT - GREENVILLE

Field ID : BW-110

Report Date : 1/2/2003

Lab Sample Number : 829647-013

Collection Date : 12/10/2002

South Carolina No. : 83006001

Matrix Type : WATER

Organic Results**SPECIAL VOLATILE LIST - WATER**

Prep Method: SW846 5030B

Prep Date: 12/18/02

Analyst: JSF

Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
Acetone	< 5.0	5.0	ug/L	&	12/18/02	SW846 8260B
Benzene	< 1.0	1.0	ug/L		12/18/02	SW846 8260B
2-Butanone	< 5.0	5.0	ug/L		12/18/02	SW846 8260B
Chloroform	< 1.0	1.0	ug/L		12/18/02	SW846 8260B
Chloromethane	< 1.0	1.0	ug/L		12/18/02	SW846 8260B
1,1-Dichloroethane	< 1.0	1.0	ug/L		12/18/02	SW846 8260B
1,2-Dichloroethane	< 1.0	1.0	ug/L		12/18/02	SW846 8260B
1,1-Dichloroethene	< 1.0	1.0	ug/L		12/18/02	SW846 8260B
cis-1,2-Dichloroethene	< 1.0	1.0	ug/L		12/18/02	SW846 8260B
trans-1,2-Dichloroethene	< 1.0	1.0	ug/L		12/18/02	SW846 8260B
Methylene chloride	< 1.0	1.0	ug/L		12/18/02	SW846 8260B
Tetrachloroethene	< 1.0	1.0	ug/L		12/18/02	SW846 8260B
1,1,1-Trichloroethane	< 1.0	1.0	ug/L		12/18/02	SW846 8260B
1,1,2-Trichloroethane	< 1.0	1.0	ug/L		12/18/02	SW846 8260B
Trichloroethene	0.84	J	1.0		12/18/02	SW846 8260B

- Analytical Report -

Project Name : MEDLEY FARM

Project Number : 71243.12

Client : RMT - GREENVILLE

Field ID : MW-3D

Report Date : 1/2/2003

Lab Sample Number : 829647-014

Collection Date : 12/10/2002

South Carolina No. : 83006001

Matrix Type : WATER

Organic Results

SPECIAL VOLATILE LIST - WATER Prep Method: SW846 5030B Prep Date: 12/18/02 Analyst: JSF

Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
Acetone	< 5.0	5.0	ug/L	&	12/18/02	SW846 8260B
Benzene	< 1.0	1.0	ug/L		12/18/02	SW846 8260B
2-Butanone	< 5.0	5.0	ug/L		12/18/02	SW846 8260B
Chloroform	< 1.0	1.0	ug/L		12/18/02	SW846 8260B
Chloromethane	< 1.0	1.0	ug/L		12/18/02	SW846 8260B
1,1-Dichloroethane	< 1.0	1.0	ug/L		12/18/02	SW846 8260B
1,2-Dichloroethane	< 1.0	1.0	ug/L		12/18/02	SW846 8260B
1,1-Dichloroethene	1.7	1.0	ug/L		12/18/02	SW846 8260B
cis-1,2-Dichloroethene	2.1	1.0	ug/L		12/18/02	SW846 8260B
trans-1,2-Dichloroethene	< 1.0	1.0	ug/L		12/18/02	SW846 8260B
Methylene chloride	< 1.0	1.0	ug/L		12/18/02	SW846 8260B
Tetrachloroethene	31	1.0	ug/L		12/18/02	SW846 8260B
1,1,1-Trichloroethane	< 1.0	1.0	ug/L		12/18/02	SW846 8260B
1,1,2-Trichloroethane	< 1.0	1.0	ug/L		12/18/02	SW846 8260B
Trichloroethene	28	1.0	ug/L		12/18/02	SW846 8260B

- Analytical Report -

Project Name : MEDLEY FARM

Project Number : 71243.12

Client : RMT - GREENVILLE

Field ID : MW2-2

Report Date : 1/2/2003

Lab Sample Number : 829647-015

Collection Date : 12/11/2002

South Carolina No. : 83006001

Matrix Type : WATER

Organic Results**SPECIAL VOLATILE LIST - WATER**

Prep Method: SW846 5030B

Prep Date: 12/18/02

Analyst: JSF

Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
Acetone	< 5.0	5.0	ug/L	&	12/18/02	SW846 8260B
Benzene	< 1.0	1.0	ug/L		12/18/02	SW846 8260B
2-Butanone	< 5.0	5.0	ug/L		12/18/02	SW846 8260B
Chloroform	5.9	1.0	ug/L		12/18/02	SW846 8260B
Chloromethane	< 1.0	1.0	ug/L		12/18/02	SW846 8260B
1,1-Dichloroethane	< 1.0	1.0	ug/L		12/18/02	SW846 8260B
1,2-Dichloroethane	0.96	J	1.0		12/18/02	SW846 8260B
1,1-Dichloroethene	2.9		ug/L		12/18/02	SW846 8260B
cis-1,2-Dichloroethene	3.2		ug/L		12/18/02	SW846 8260B
trans-1,2-Dichloroethene	< 1.0	1.0	ug/L		12/18/02	SW846 8260B
Methylene chloride	< 1.0	1.0	ug/L		12/18/02	SW846 8260B
Tetrachloroethene	16		ug/L		12/18/02	SW846 8260B
1,1,1-Trichloroethane	1.1		ug/L		12/18/02	SW846 8260B
1,1,2-Trichloroethane	< 1.0	1.0	ug/L		12/18/02	SW846 8260B
Trichloroethene	42		ug/L		12/18/02	SW846 8260B

- Analytical Report -

Project Name : MEDLEY FARM

Project Number : 71243.12

Client : RMT - GREENVILLE

Field ID : FBLK-02401

Report Date : 1/2/2003

Lab Sample Number : 829647-016

Collection Date : 12/11/2002

South Carolina No. : 83006001

Matrix Type : WATER

Organic Results**SPECIAL VOLATILE LIST - WATER**

Prep Method: SW846 5030B

Prep Date: 12/17/02

Analyst: JSF

Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
Acetone	< 5.0	5.0	ug/L	&	12/17/02	SW846 8260B
Benzene	< 1.0	1.0	ug/L		12/17/02	SW846 8260B
2-Butanone	< 5.0	5.0	ug/L		12/17/02	SW846 8260B
Chloroform	< 1.0	1.0	ug/L		12/17/02	SW846 8260B
Chloromethane	< 1.0	1.0	ug/L		12/17/02	SW846 8260B
1,1-Dichloroethane	< 1.0	1.0	ug/L		12/17/02	SW846 8260B
1,2-Dichloroethane	< 1.0	1.0	ug/L		12/17/02	SW846 8260B
1,1-Dichloroethene	< 1.0	1.0	ug/L		12/17/02	SW846 8260B
cis-1,2-Dichloroethene	< 1.0	1.0	ug/L		12/17/02	SW846 8260B
trans-1,2-Dichloroethene	< 1.0	1.0	ug/L		12/17/02	SW846 8260B
Methylene chloride	< 1.0	1.0	ug/L		12/17/02	SW846 8260B
Tetrachloroethene	< 1.0	1.0	ug/L		12/17/02	SW846 8260B
1,1,1-Trichloroethane	< 1.0	1.0	ug/L		12/17/02	SW846 8260B
1,1,2-Trichloroethane	< 1.0	1.0	ug/L		12/17/02	SW846 8260B
Trichloroethene	< 1.0	1.0	ug/L		12/17/02	SW846 8260B

- Analytical Report -

Project Name : MEDLEY FARM

Project Number : 71243.12

Client : RMT - GREENVILLE

Field ID : MW2-1

Report Date : 1/2/2003

Lab Sample Number : 829647-017

Collection Date : 12/11/2002

South Carolina No. : 83006001

Matrix Type : WATER

Organic Results

SPECIAL VOLATILE LIST - WATER

Prep Method: SW846 5030B

Prep Date: 12/18/02

Analyst: JSF

Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
Acetone	< 5.0	5.0	ug/L	&	12/18/02	SW846 8260B
Benzene	< 1.0	1.0	ug/L		12/18/02	SW846 8260B
2-Butanone	< 5.0	5.0	ug/L		12/18/02	SW846 8260B
Chloroform	2.2	1.0	ug/L		12/18/02	SW846 8260B
Chloromethane	< 1.0	1.0	ug/L		12/18/02	SW846 8260B
1,1-Dichloroethane	< 1.0	1.0	ug/L		12/18/02	SW846 8260B
1,2-Dichloroethane	1.8	1.0	ug/L		12/18/02	SW846 8260B
1,1-Dichloroethene	9.9	1.0	ug/L		12/18/02	SW846 8260B
cis-1,2-Dichloroethene	1.5	1.0	ug/L		12/18/02	SW846 8260B
trans-1,2-Dichloroethene	< 1.0	1.0	ug/L		12/18/02	SW846 8260B
Methylene chloride	< 1.0	1.0	ug/L		12/18/02	SW846 8260B
Tetrachloroethene	16	1.0	ug/L		12/18/02	SW846 8260B
1,1,1-Trichloroethane	0.74	J	1.0		12/18/02	SW846 8260B
1,1,2-Trichloroethane	< 1.0	1.0	ug/L		12/18/02	SW846 8260B
Trichloroethene	37	1.0	ug/L		12/18/02	SW846 8260B

- Analytical Report -

Project Name : MEDLEY FARM

Project Number : 71243.12

Client : RMT - GREENVILLE

Field ID : MW4-1

Report Date : 1/2/2003

Lab Sample Number : 829647-018

Collection Date : 12/11/2002

South Carolina No. : 83006001

Matrix Type : WATER

Organic Results**SPECIAL VOLATILE LIST - WATER**

Prep Method: SW846 5030B

Prep Date: 12/17/02

Analyst: JSF

Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
Acetone	< 10	10	ug/L	&	12/19/02	SW846 8260B
Benzene	< 2.0	2.0	ug/L		12/19/02	SW846 8260B
2-Butanone	< 10	10	ug/L		12/19/02	SW846 8260B
Chloroform	59	2.0	ug/L		12/19/02	SW846 8260B
Chloromethane	< 2.0	2.0	ug/L		12/19/02	SW846 8260B
1,1-Dichloroethane	< 2.0	2.0	ug/L		12/19/02	SW846 8260B
1,2-Dichloroethane	< 2.0	2.0	ug/L		12/19/02	SW846 8260B
1,1-Dichloroethene	3.2	2.0	ug/L		12/19/02	SW846 8260B
cis-1,2-Dichloroethene	< 2.0	2.0	ug/L		12/19/02	SW846 8260B
trans-1,2-Dichloroethene	< 2.0	2.0	ug/L		12/19/02	SW846 8260B
Methylene chloride	< 2.0	2.0	ug/L		12/19/02	SW846 8260B
Tetrachloroethene	87	2.0	ug/L		12/19/02	SW846 8260B
1,1,1-Trichloroethane	< 2.0	2.0	ug/L		12/19/02	SW846 8260B
1,1,2-Trichloroethane	23	2.0	ug/L		12/19/02	SW846 8260B
Trichloroethene	230	2.0	ug/L		12/19/02	SW846 8260B

- Analytical Report -

Project Name : MEDLEY FARM

Project Number : 71243.12

Client : RMT - GREENVILLE

Field ID : BW-105

Report Date : 1/2/2003

Lab Sample Number : 829647-019

Collection Date : 12/11/2002

South Carolina No. : 83006001

Matrix Type : WATER

Organic Results**SPECIAL VOLATILE LIST - WATER**

Prep Method: SW846 5030B

Prep Date: 12/18/02

Analyst: JSF

Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
Acetone	< 5.0	5.0	ug/L	&	12/18/02	SW846 8260B
Benzene	< 1.0	1.0	ug/L		12/18/02	SW846 8260B
2-Butanone	< 5.0	5.0	ug/L		12/18/02	SW846 8260B
Chloroform	8.4	1.0	ug/L		12/18/02	SW846 8260B
Chloromethane	< 1.0	1.0	ug/L		12/18/02	SW846 8260B
1,1-Dichloroethane	< 1.0	1.0	ug/L		12/18/02	SW846 8260B
1,2-Dichloroethane	< 1.0	1.0	ug/L		12/18/02	SW846 8260B
1,1-Dichloroethene	5.5	1.0	ug/L		12/18/02	SW846 8260B
cis-1,2-Dichloroethene	< 1.0	1.0	ug/L		12/18/02	SW846 8260B
trans-1,2-Dichloroethene	< 1.0	1.0	ug/L		12/18/02	SW846 8260B
Methylene chloride	< 1.0	1.0	ug/L		12/18/02	SW846 8260B
Tetrachloroethene	3.1	1.0	ug/L		12/18/02	SW846 8260B
1,1,1-Trichloroethane	8.6	1.0	ug/L		12/18/02	SW846 8260B
1,1,2-Trichloroethane	< 1.0	1.0	ug/L		12/18/02	SW846 8260B
Trichloroethene	2.5	1.0	ug/L		12/18/02	SW846 8260B

- Analytical Report -

Project Name : MEDLEY FARM

Project Number : 71243.12

Client : RMT - GREENVILLE

Field ID : FBLK-02402

Report Date : 1/2/2003

Lab Sample Number : 829647-020

Collection Date : 12/11/2002

South Carolina No. : 83006001

Matrix Type : WATER

Organic Results

SPECIAL VOLATILE LIST - WATER

Prep Method: SW846 5030B

Prep Date: 12/17/02

Analyst: JSF

Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
Acetone	< 5.0	5.0	ug/L	&	12/17/02	SW846 8260B
Benzene	< 1.0	1.0	ug/L		12/17/02	SW846 8260B
2-Butanone	< 5.0	5.0	ug/L		12/17/02	SW846 8260B
Chloroform	< 1.0	1.0	ug/L		12/17/02	SW846 8260B
Chloromethane	< 1.0	1.0	ug/L		12/17/02	SW846 8260B
1,1-Dichloroethane	< 1.0	1.0	ug/L		12/17/02	SW846 8260B
1,2-Dichloroethane	< 1.0	1.0	ug/L		12/17/02	SW846 8260B
1,1-Dichloroethene	< 1.0	1.0	ug/L		12/17/02	SW846 8260B
cis-1,2-Dichloroethene	< 1.0	1.0	ug/L		12/17/02	SW846 8260B
trans-1,2-Dichloroethene	< 1.0	1.0	ug/L		12/17/02	SW846 8260B
Methylene chloride	< 1.0	1.0	ug/L		12/17/02	SW846 8260B
Tetrachloroethene	< 1.0	1.0	ug/L		12/17/02	SW846 8260B
1,1,1-Trichloroethane	< 1.0	1.0	ug/L		12/17/02	SW846 8260B
1,1,2-Trichloroethane	< 1.0	1.0	ug/L		12/17/02	SW846 8260B
Trichloroethene	< 1.0	1.0	ug/L		12/17/02	SW846 8260B

EPA
level
2

CHAIN OF CUSTODY RECORD

No. 73825 ✓5

100 Verdae Boulevard, P.O. Box 16778 • Greenville, SC 29606-6778 • Phone (864) 281-0030 • Fax (864) 281-0288

Project No.	Project/Client:
71243.12	Medley Farm
Project Manager/Contact Person:	
S. Webb/Lisa Clark	

Lab No.	Yr. 02	Date	Time	Sample Station ID	Total Number Of Containers	MATRIX	Comments:
001	—	—	—	TBLK-02402	3	DI	X
002	12/9	1140	—	MLW3-1	3	GW	X
003	—	1205	—	MLW3-2	3	—	X
004	—	1235	—	MLW3-3	3	—	X
005	—	1325	—	MLW1-1	3	—	X
006	—	1350	—	MLW1-2	3	—	X
007	—	1415	—	MLW1-3	3	—	X
008	12/10	1025	—	BW-108	6	—	X
009	ms	ms	—	BW-3	3	—	X
010	—	—	—	DU-02402	3	—	X

SPECIAL INSTRUCTIONS

SAMPLER Relinquished by (Sig.) 	Date/Time 12-12-02	Received by (Sig.) Airborne	Date/Time 12-12-02	HAZARDS ASSOCIATED WITH SAMPLES <input type="checkbox"/> Flammable <input type="checkbox"/> Corrosive <input type="checkbox"/> Highly Toxic <input type="checkbox"/> Other (list) <hr/>	Turn Around (circle one) Normal	Rush
Relinquished by (Sig.) Airborne	Date/Time	Received by (Sig.) Lisa Naylor	Date/Time 12/13/02 11:00		Report Due _____	(For Lab Use Only)
Relinquished by (Sig.)	Date/Time	Received by (Sig.)	Date/Time		Receipt Temp: 20°C Temp Blank Y N	Receipt pH (Wet/Metals) _____
Custody Seal: Present/Absent Intact/Not Intact Seal #'s						

EPA
Level
2

CHAIN OF CUSTODY RECORD

No 73826

100 Verdae Boulevard, P.O. Box 16778 • Greenville, SC 29606-6778 • Phone (864) 281-0030 • Fax (864) 281-0288

Project No. 71243.12	Project/Client: Medley Farm	Total Number Of Containers 10	MATRIX
Project Manager/Contact Person: S. Webb / Lisa Clark			

Lab No.	Yr. 02	Time	Sample Station ID 829647	Analyses Requested VOC	Preserved (Code) E	Comments:	Filtered (Yes/No) N
							Total Number Of Containers
013	12/10	1315	BW-110	3	GW X		
014	"	1400	MW-3D	3	(X		
015	12/11	1000	MW2-2	3	X		
016	0945	FBLK-02401		3	DI X		
017	1100	MW2-1		3	GW X		
018	1130	MW4-1		3	(X		
019	1220	BW-105		3	X		
020	1230	FBLK-02402		3	DI X		

SPECIAL INSTRUCTIONS

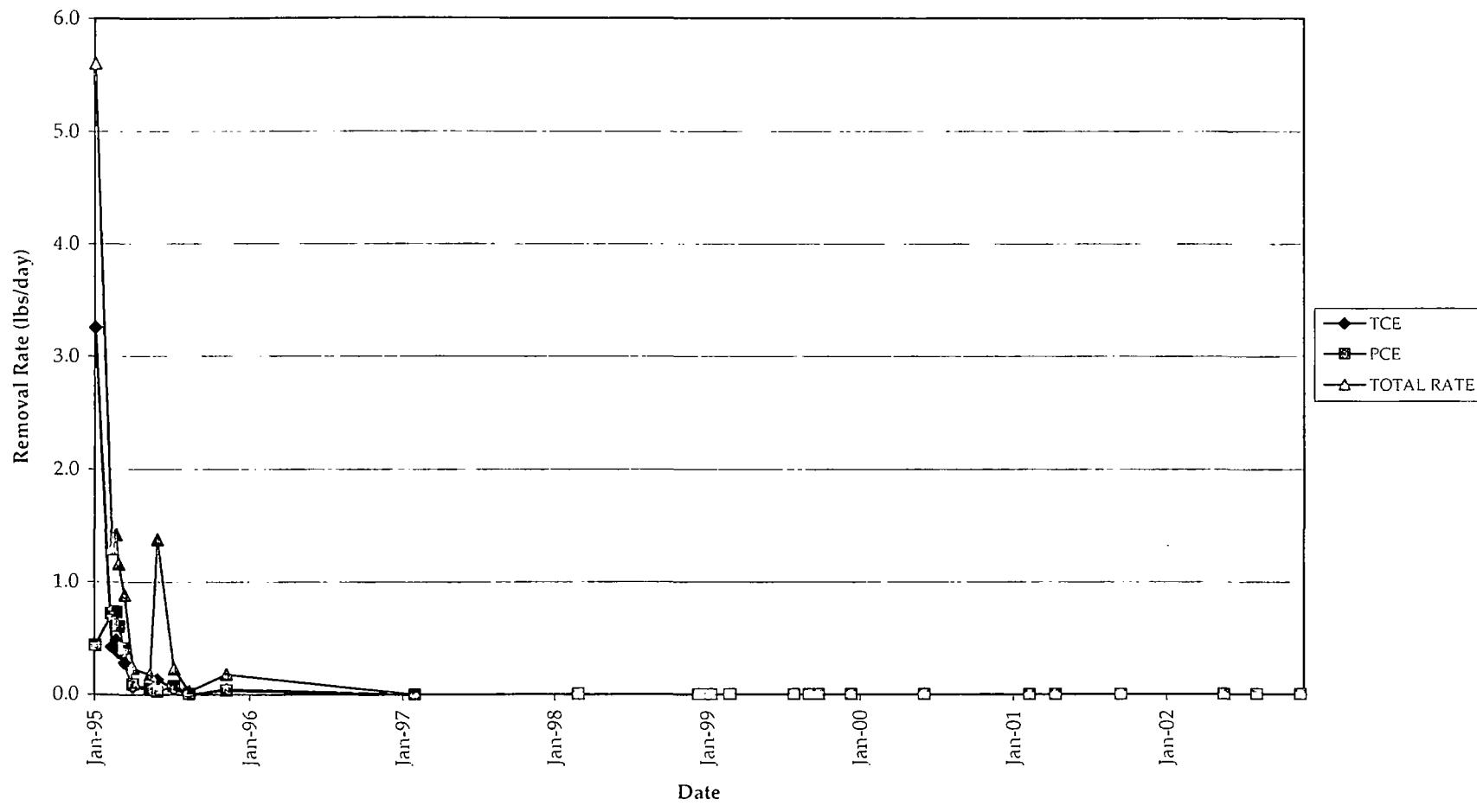
SAMPLER Relinquished by (Sig.) D. O. D.	Date/Time 12-12-02	Received by (Sig.) Airborne	Date/Time 12-12-02	HAZARDS ASSOCIATED WITH SAMPLES <input type="checkbox"/> Flammable <input type="checkbox"/> Corrosive <input type="checkbox"/> Highly Toxic <input type="checkbox"/> Other (list) <hr/>	Turn Around (circle one) <input type="checkbox"/> Normal <input type="checkbox"/> Rush <hr/> Report Due _____
Relinquished by (Sig.) Airborne	Date/Time	Received by (Sig.) Airborne	Date/Time 12/13/02 1100		(For Lab Use Only)
Relinquished by (Sig.) 011/011	Date/Time	Received by (Sig.)	Date/Time		Receipt Temp: 20°C
				Temp Blank Y N	

Custody Seal: Present/Absent Intact/Not Intact Seal #'s

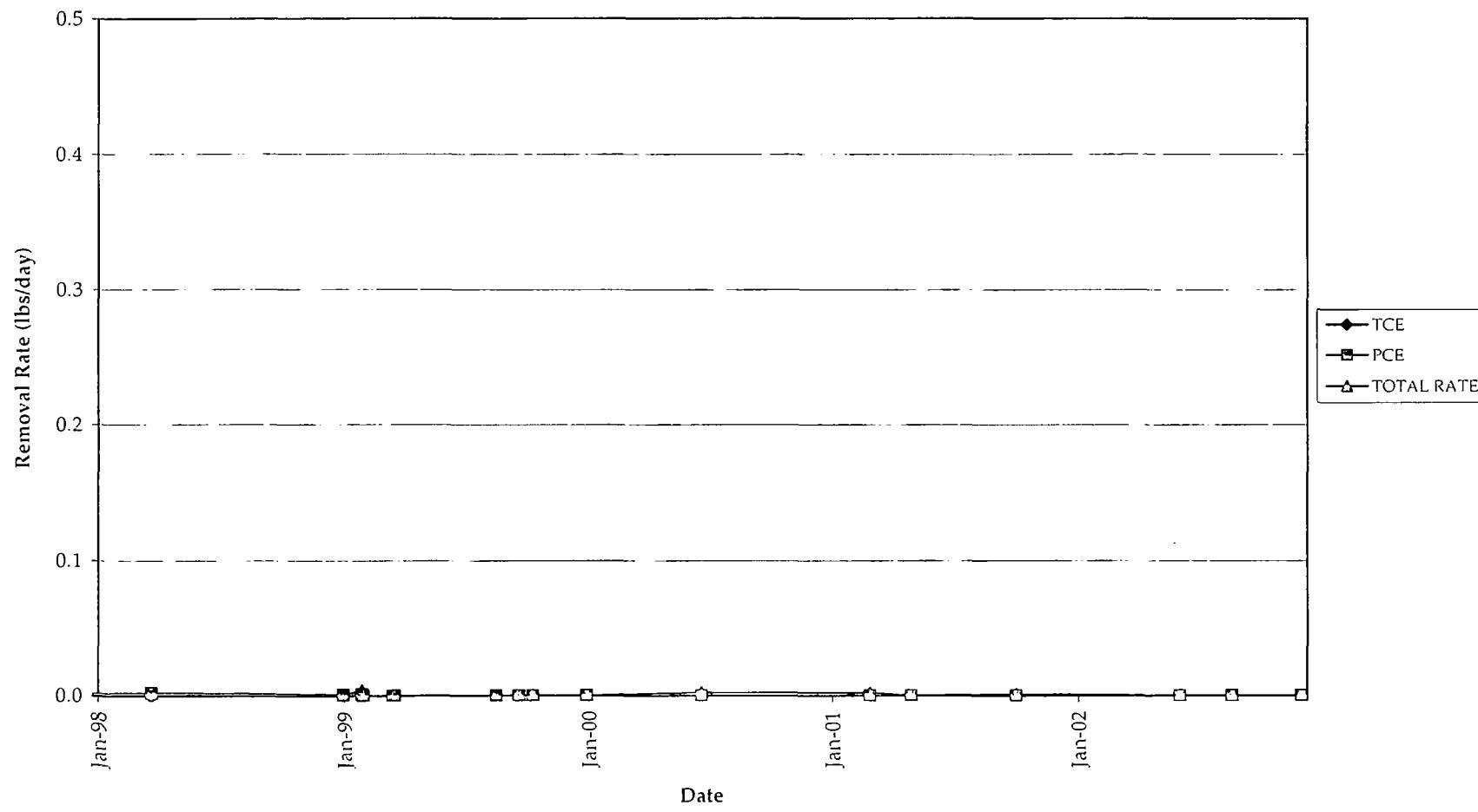
Appendix F

Soil Vapor Extraction Performance Graphs

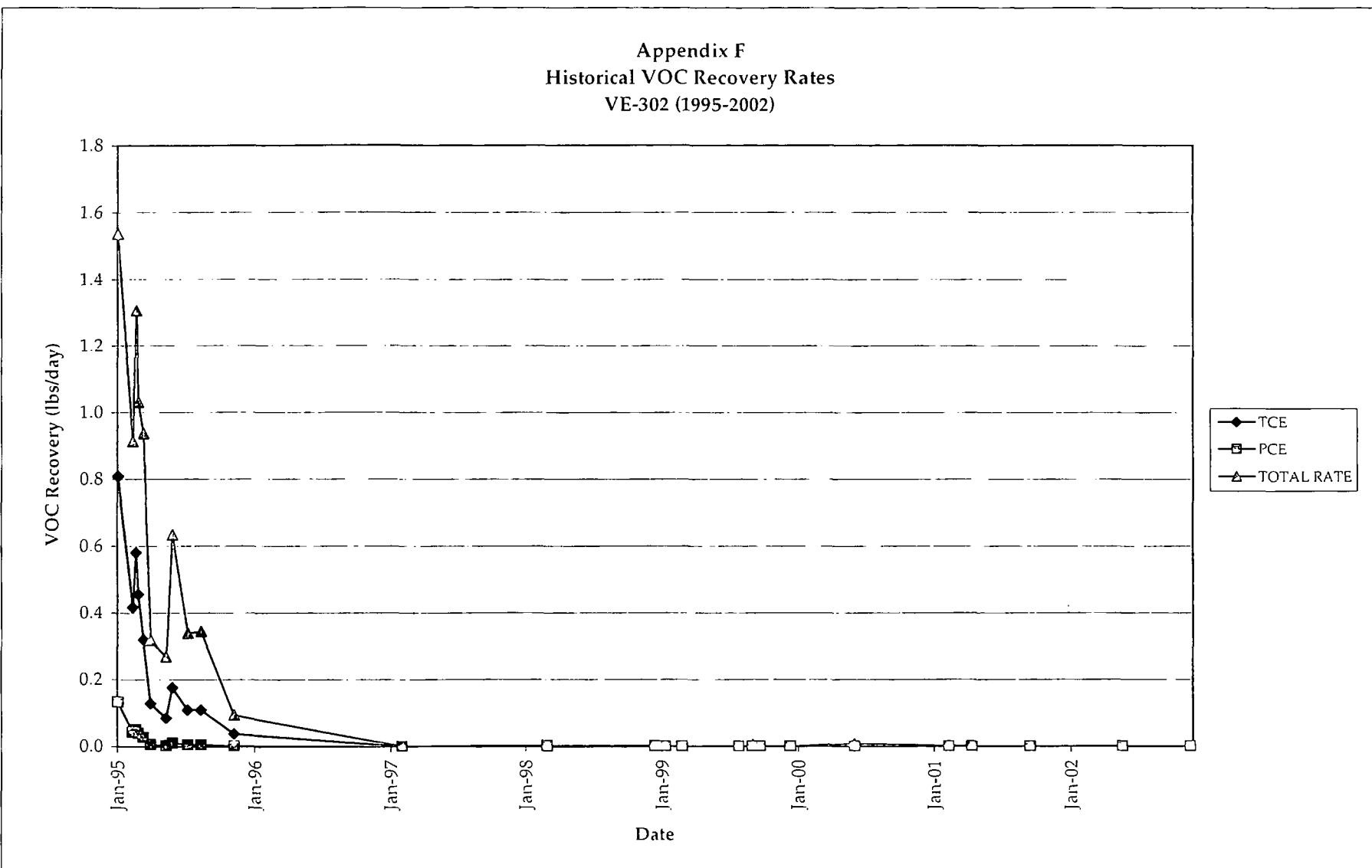
Appendix F
Historical VOC Recovery Rates
VE-301 (1995-2002)



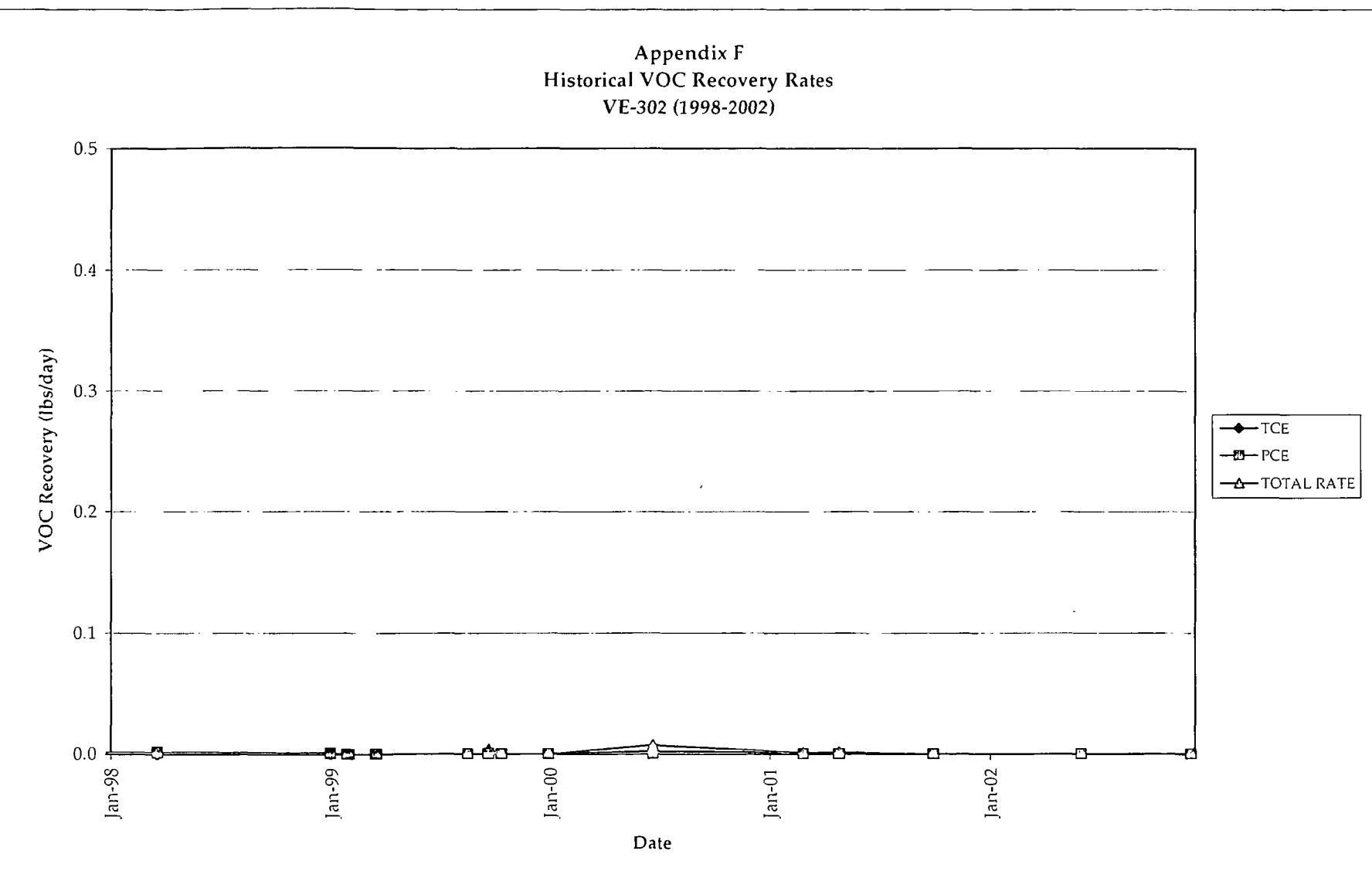
Appendix F
Historical VOC Recovery Rates
VE-301 (1998-2002)



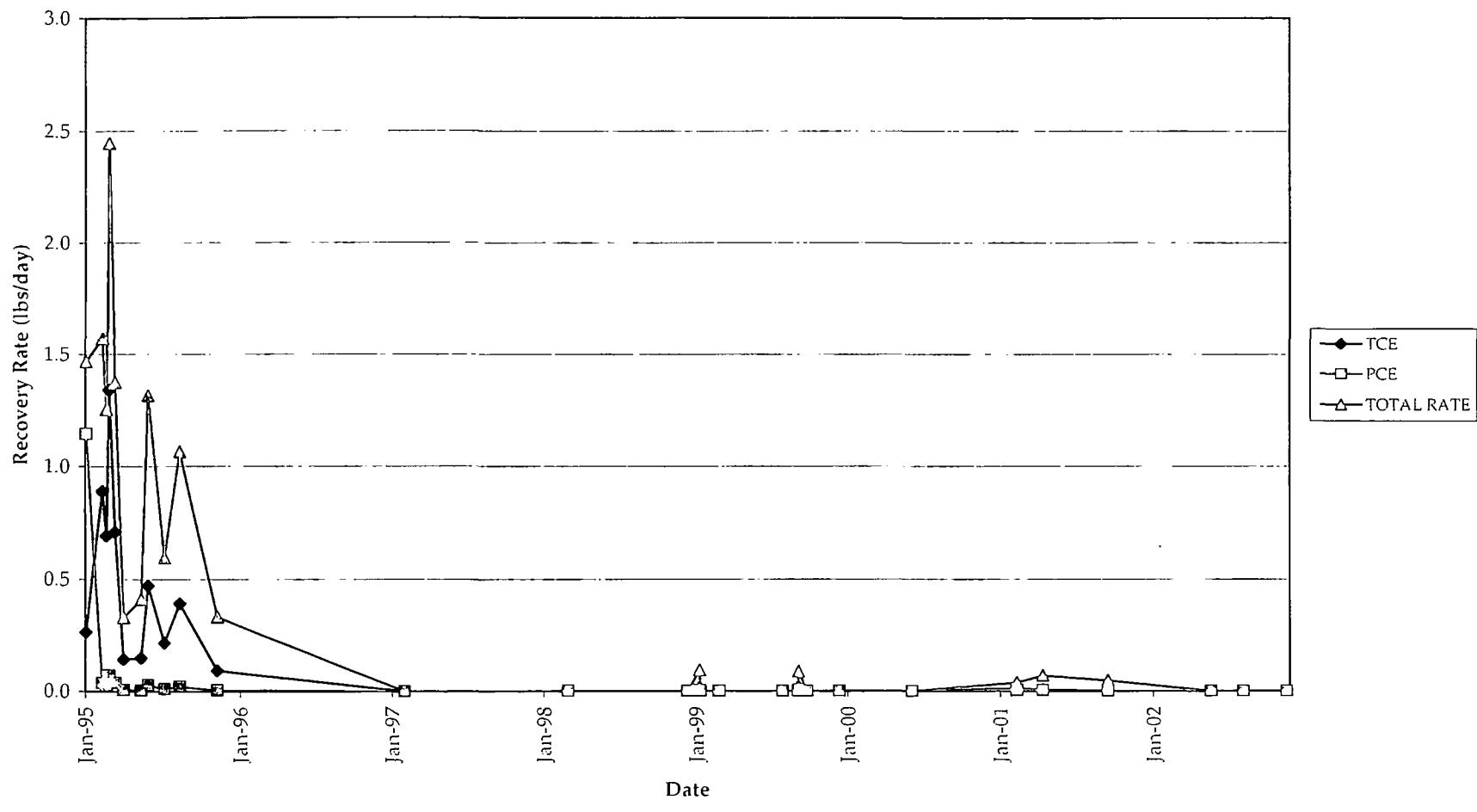
Appendix F
Historical VOC Recovery Rates
VE-302 (1995-2002)

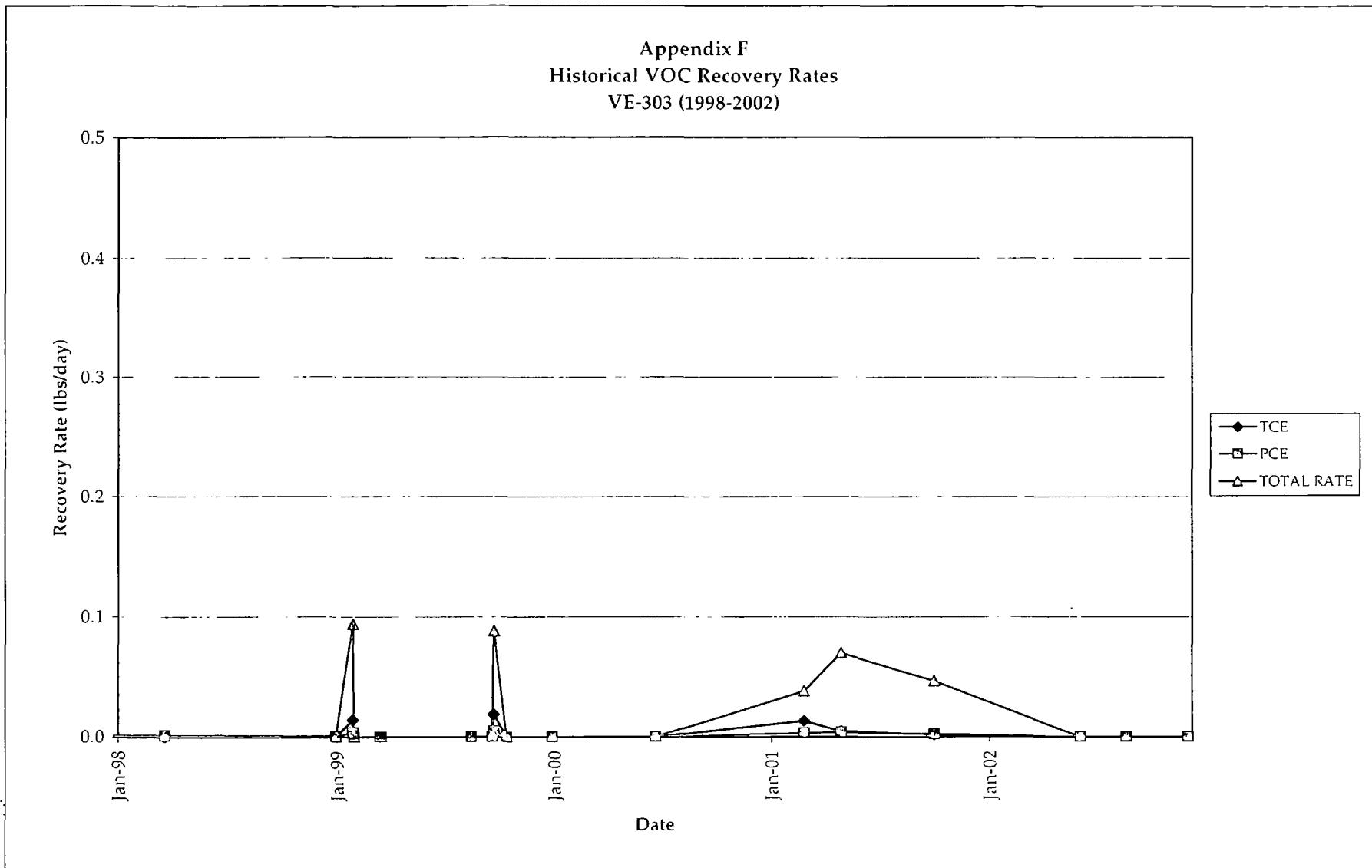


Appendix F
Historical VOC Recovery Rates
VE-302 (1998-2002)

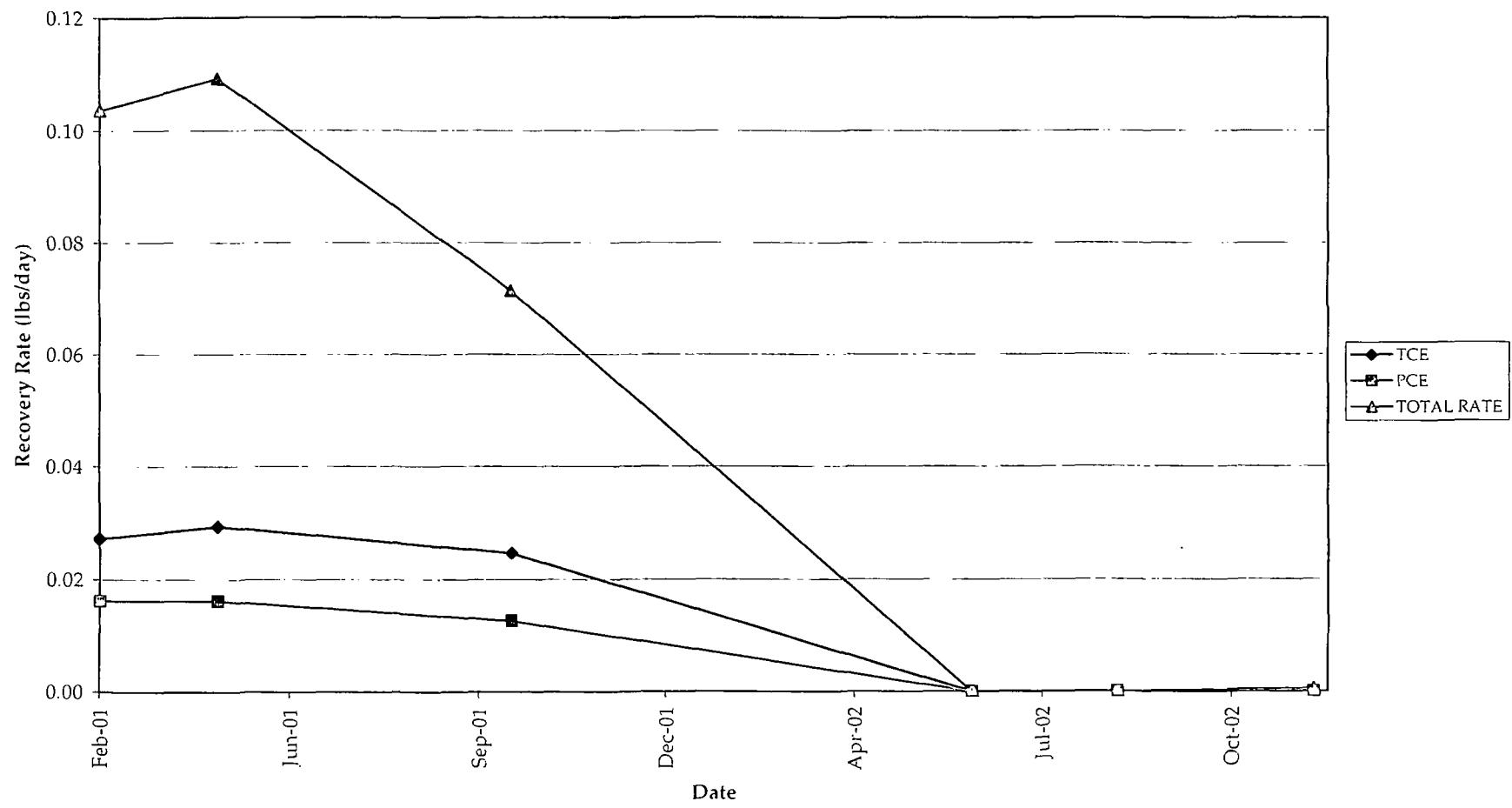


Appendix F
Historical VOC Recovery Rates
VE-303 (1995-2002)

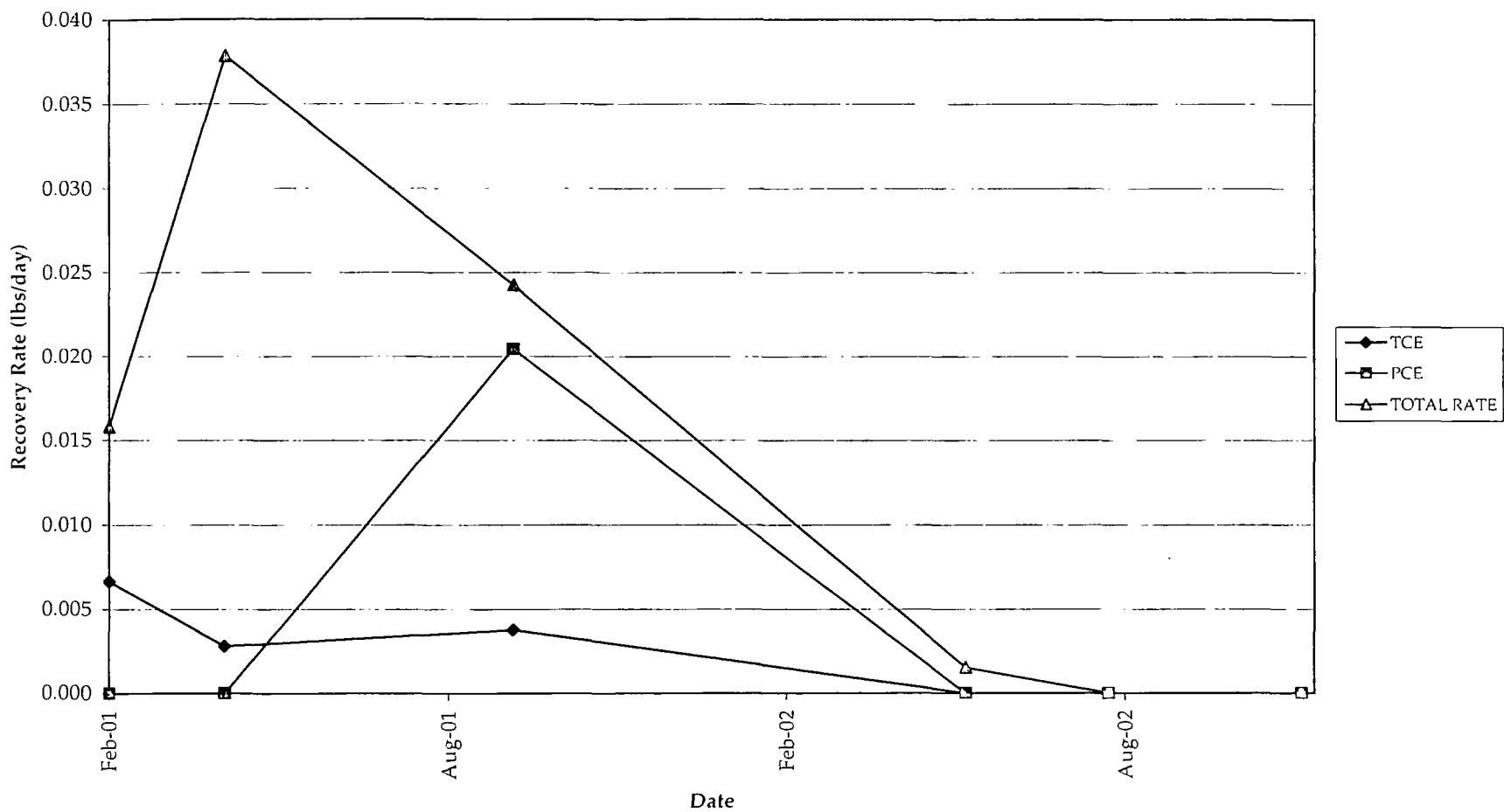




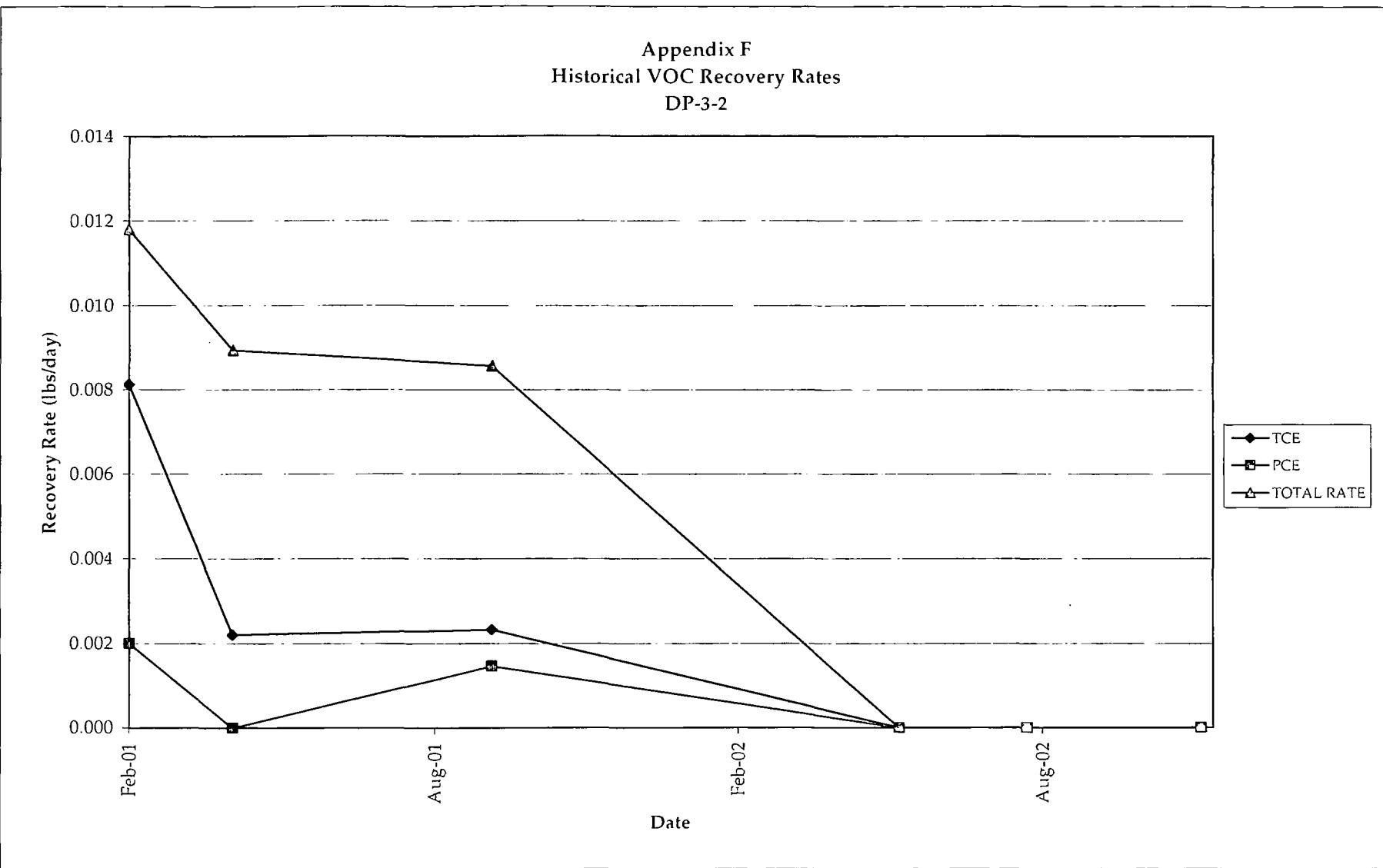
Appendix F
Historical VOC Recovery Rates
VE-304 (2001-2002)



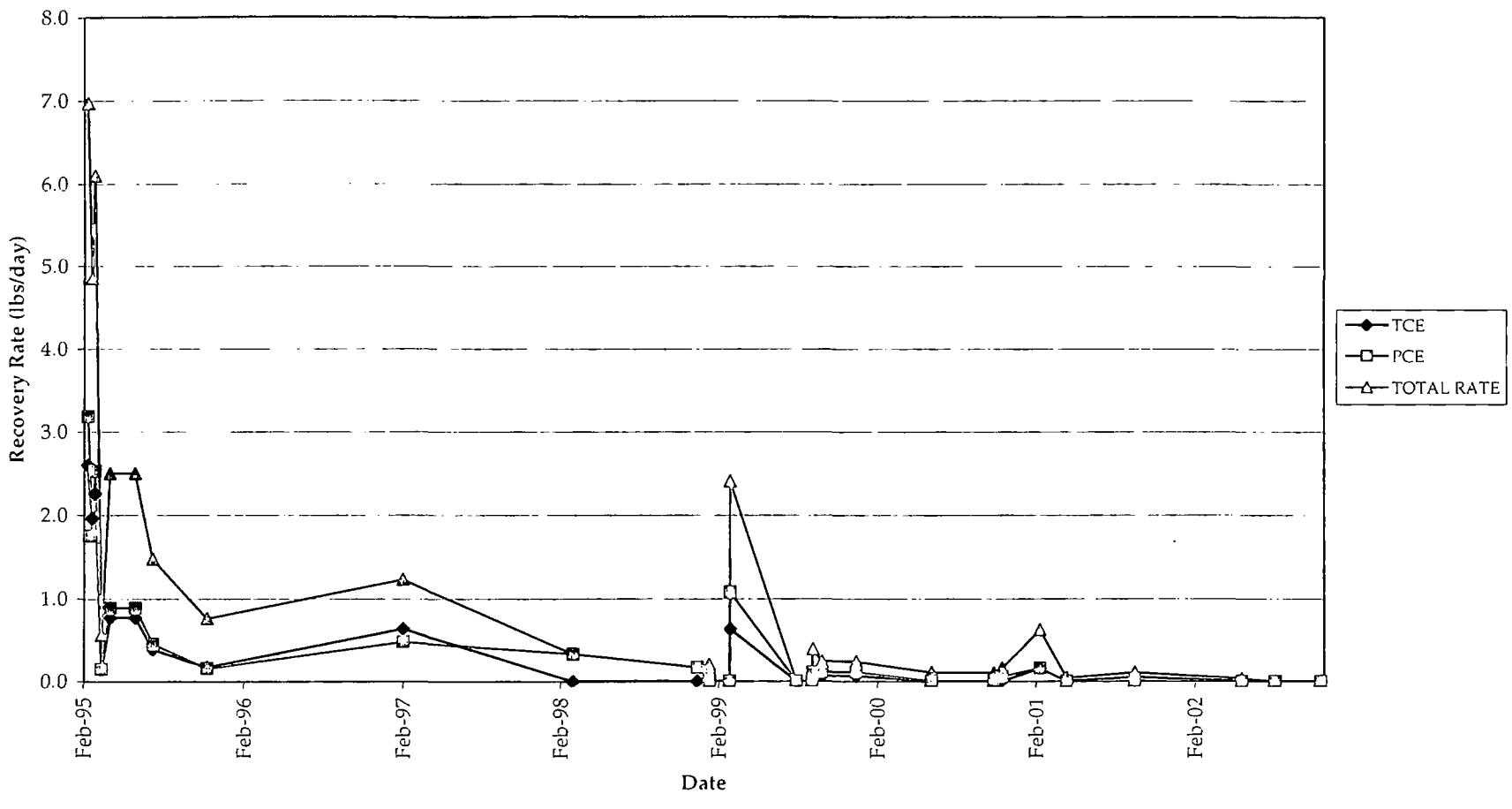
Appendix F
Historical VOC Recovery Rates
DP-3-1



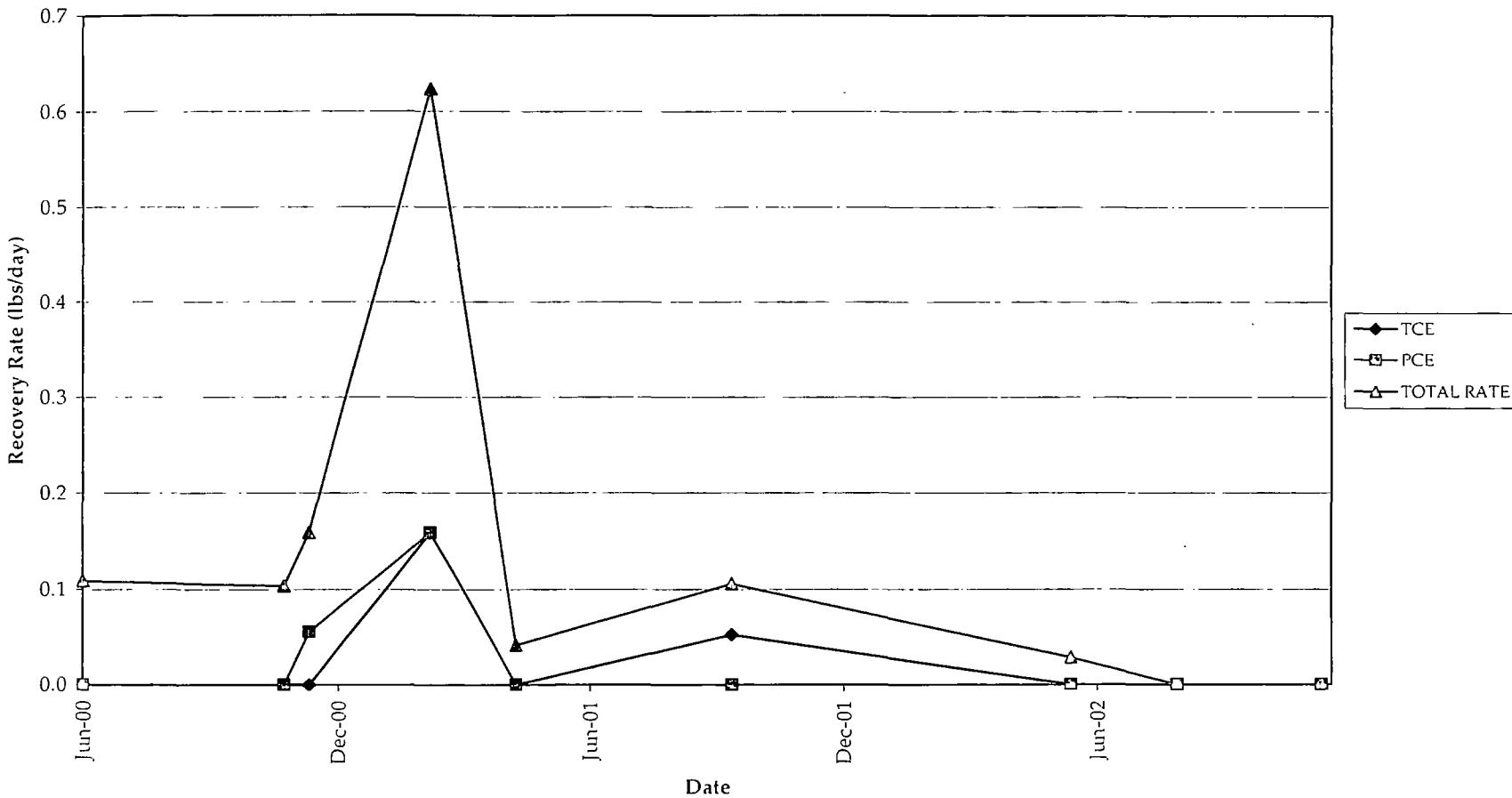
Appendix F
Historical VOC Recovery Rates
DP-3-2



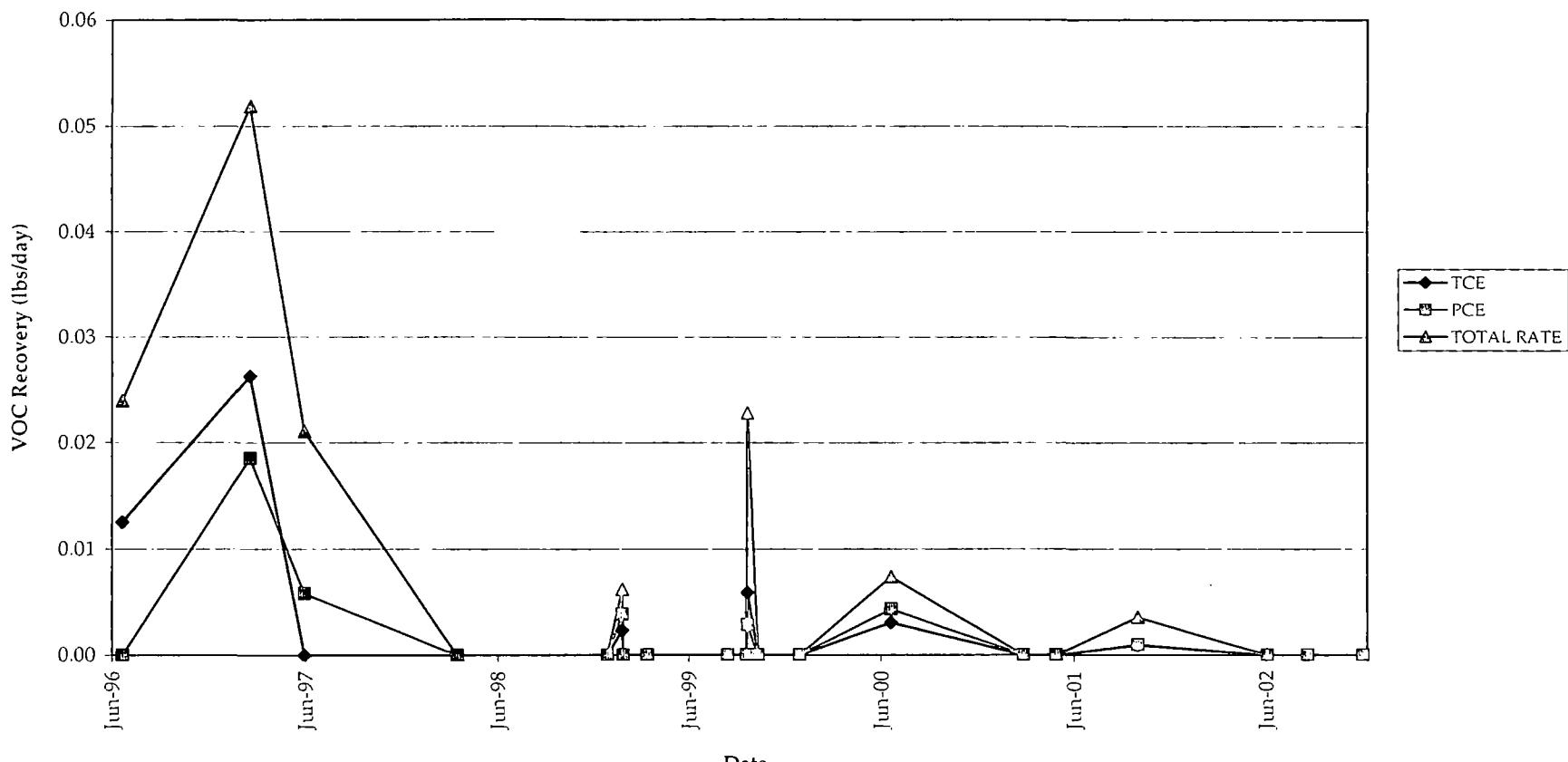
Appendix F
Historical VOC Recovery Rates
Stack (1995-2002)



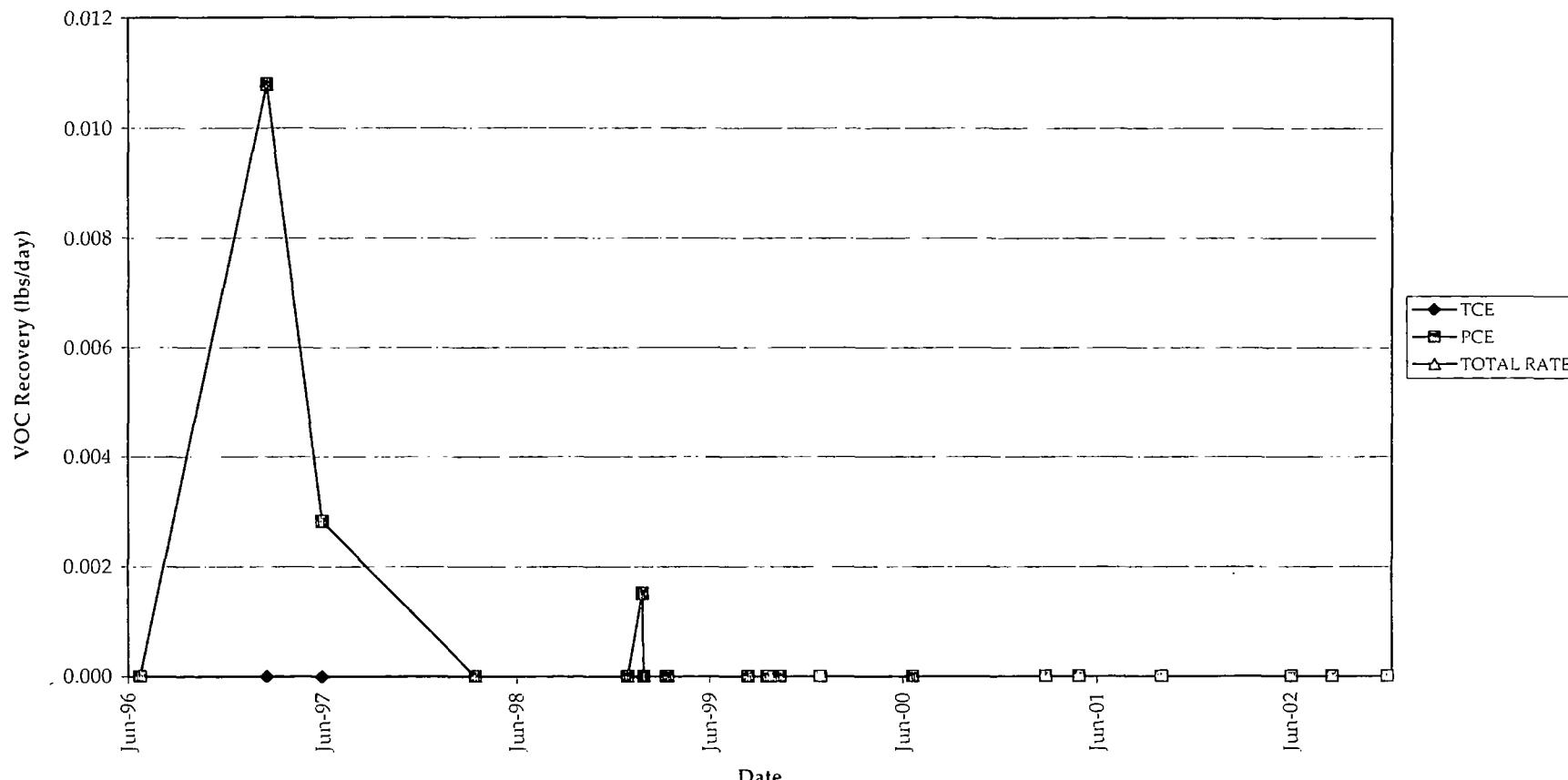
Appendix F
Historical VOC Recovery Rates
Stack (2000-2002)



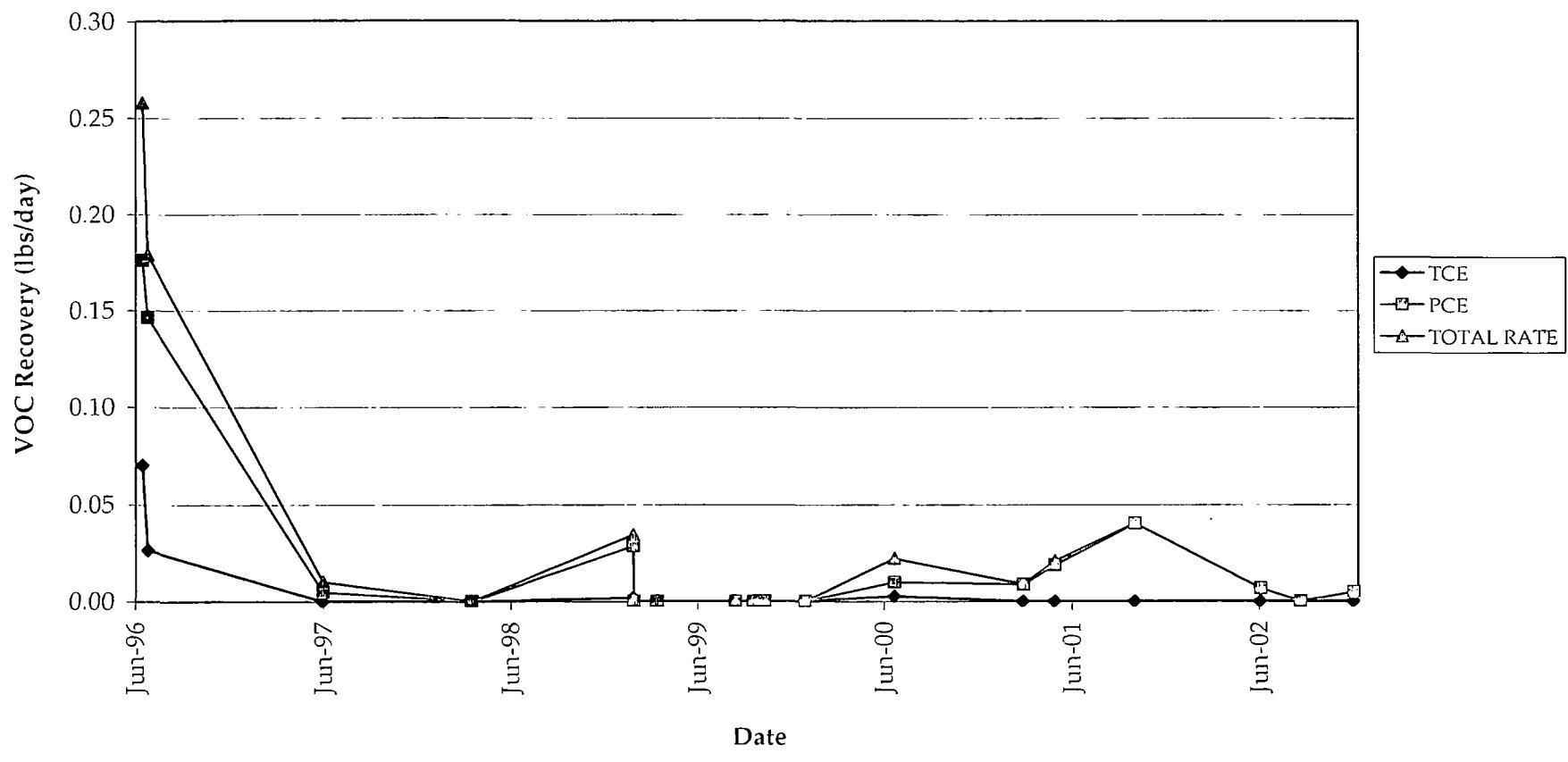
Appendix F
Historical VOC Recovery Rates
VM-301S



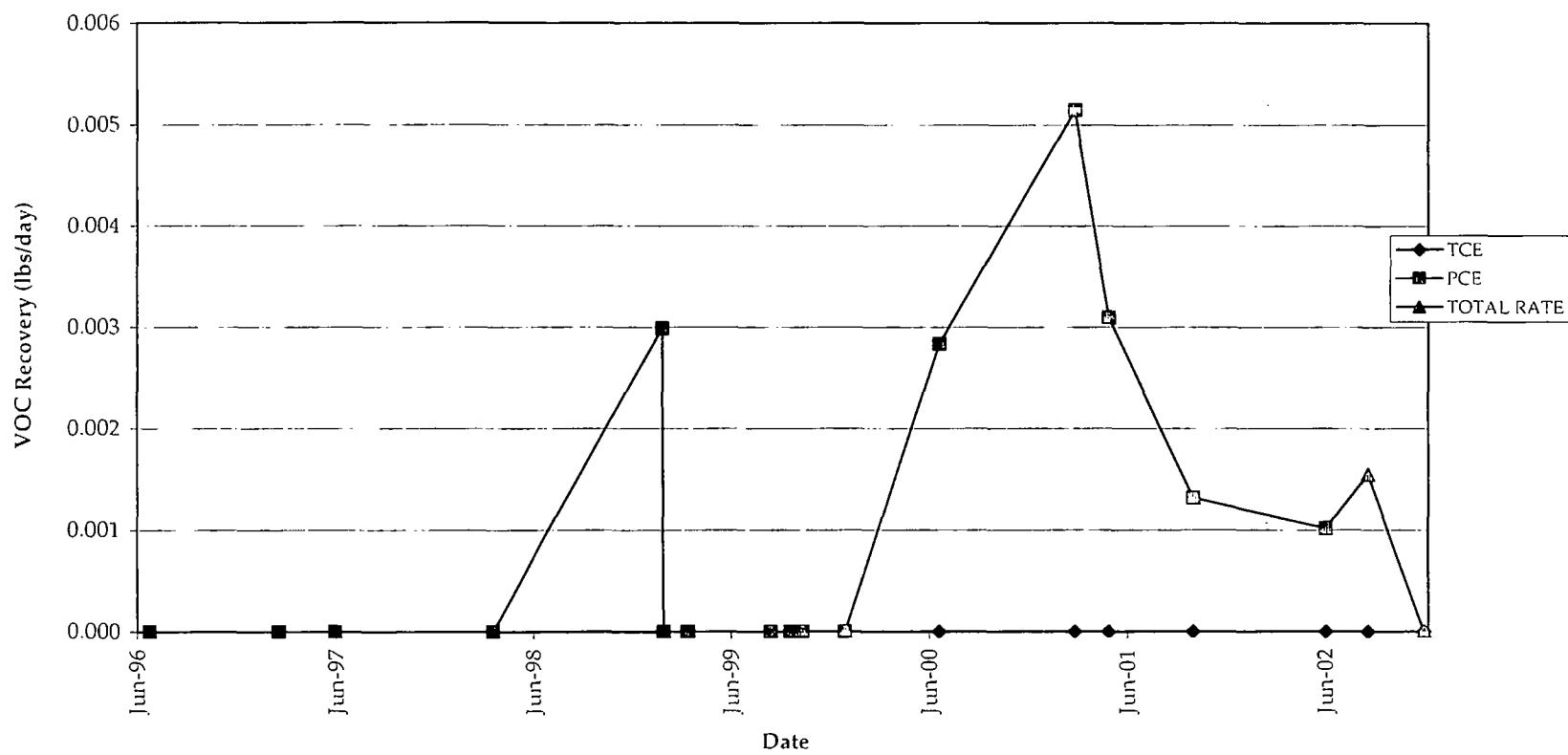
Appendix F
Historical VOC Recovery Rates
VM-302S



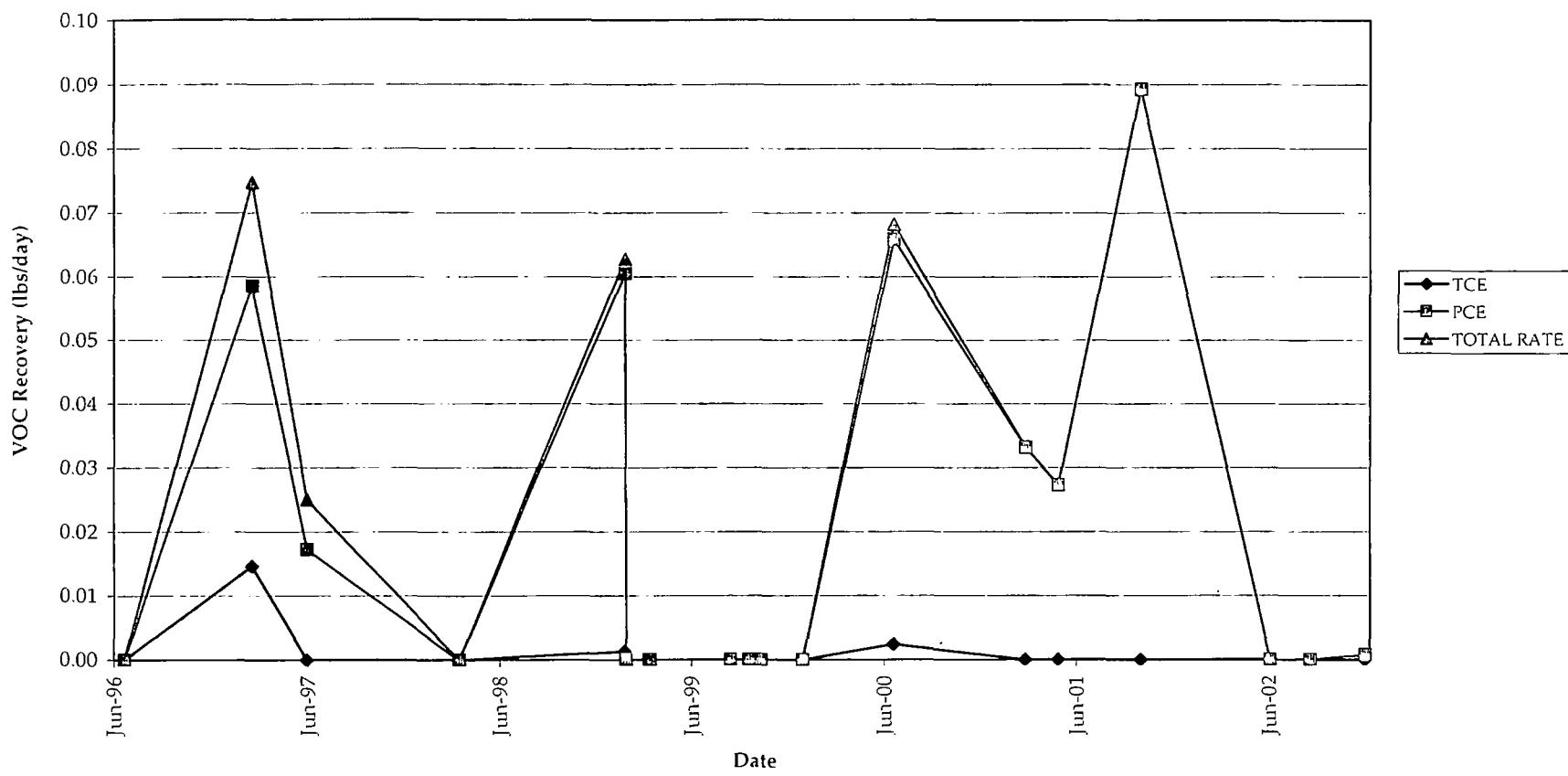
Appendix F
Historical VOC Recovery Rates
VM-302D



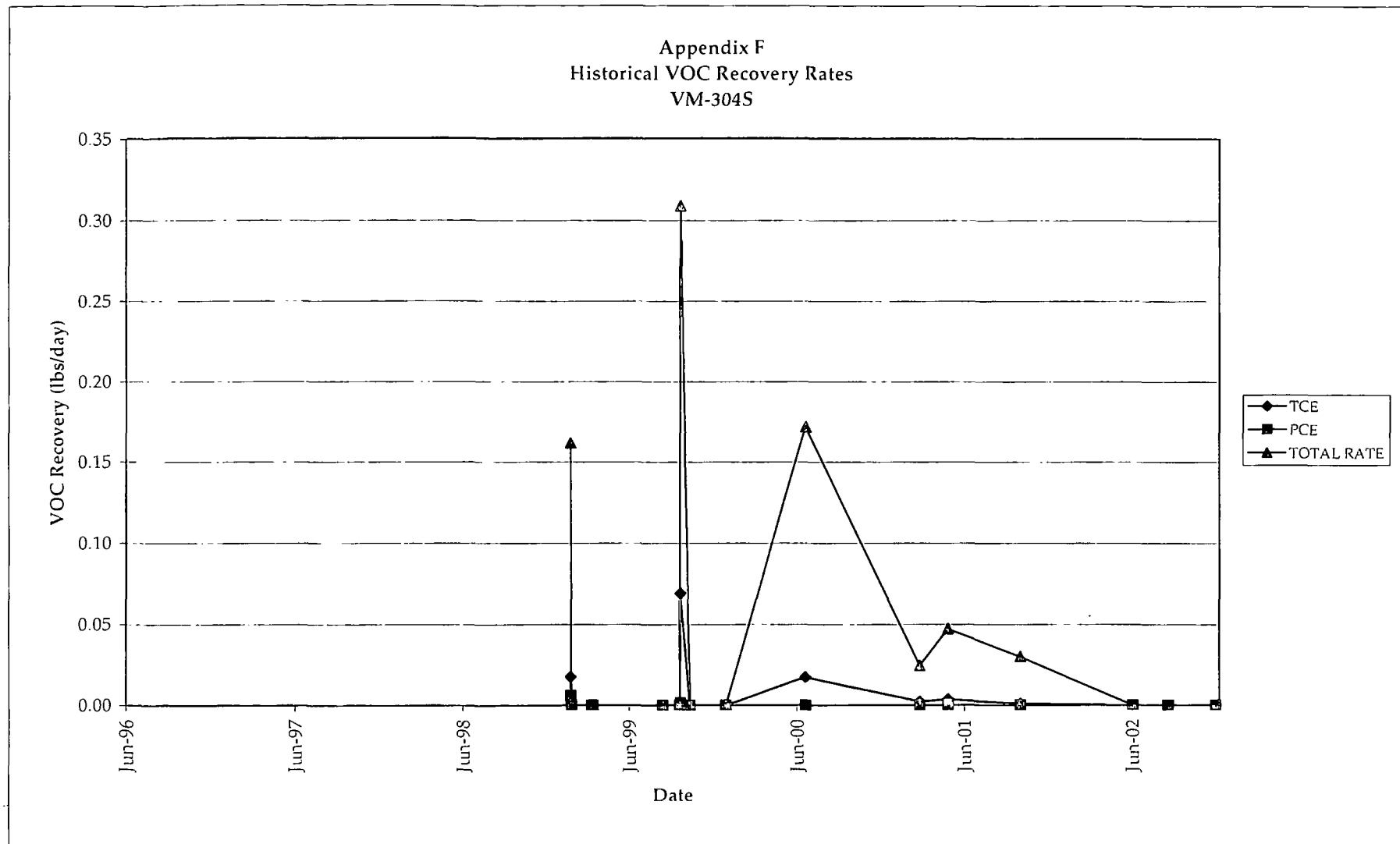
Appendix F
Historical VOC Recovery Rates
VM-303S



Appendix F
Historical VOC Recovery Rates
VM-303D



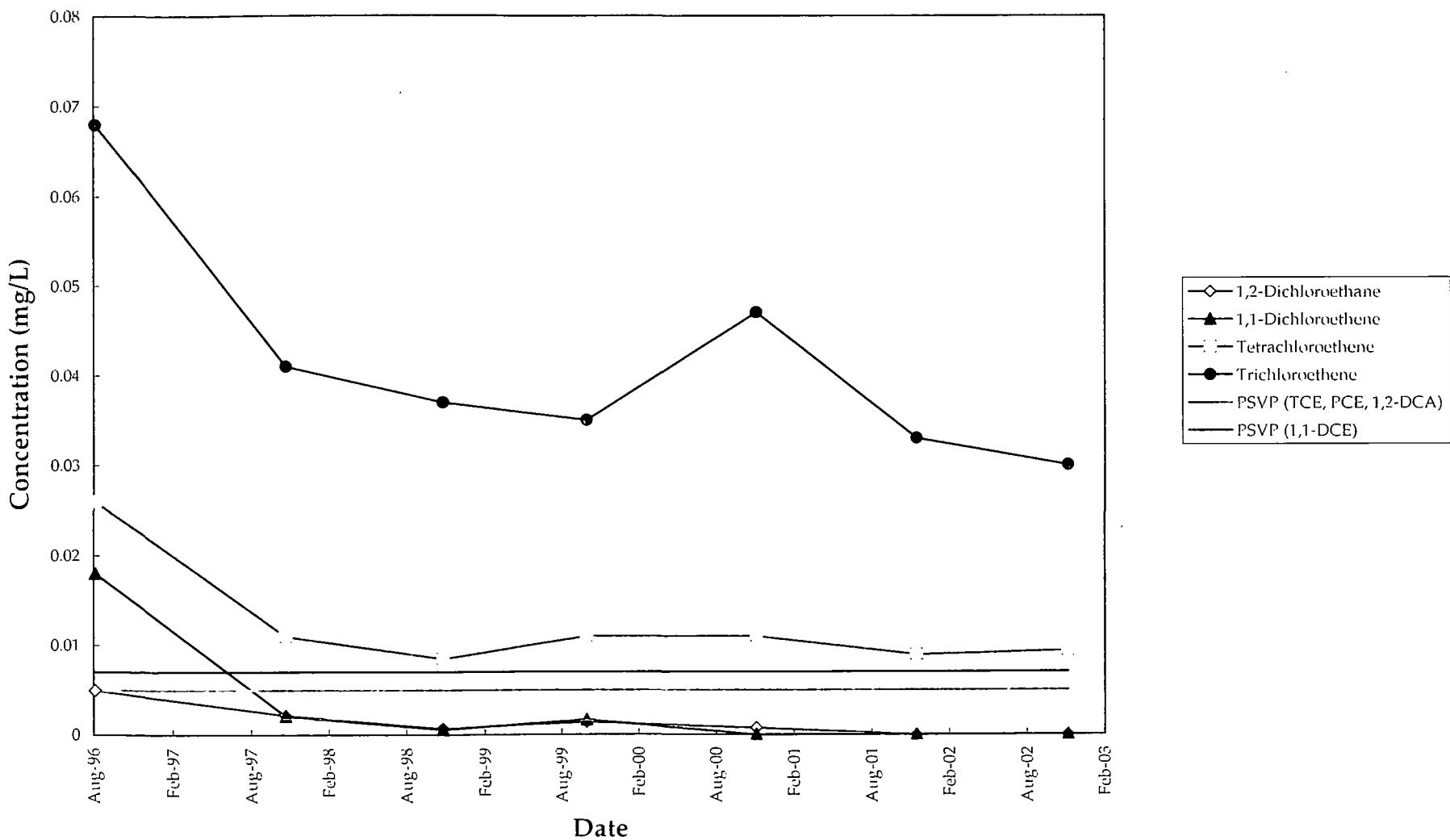
Appendix F
Historical VOC Recovery Rates
VM-304S



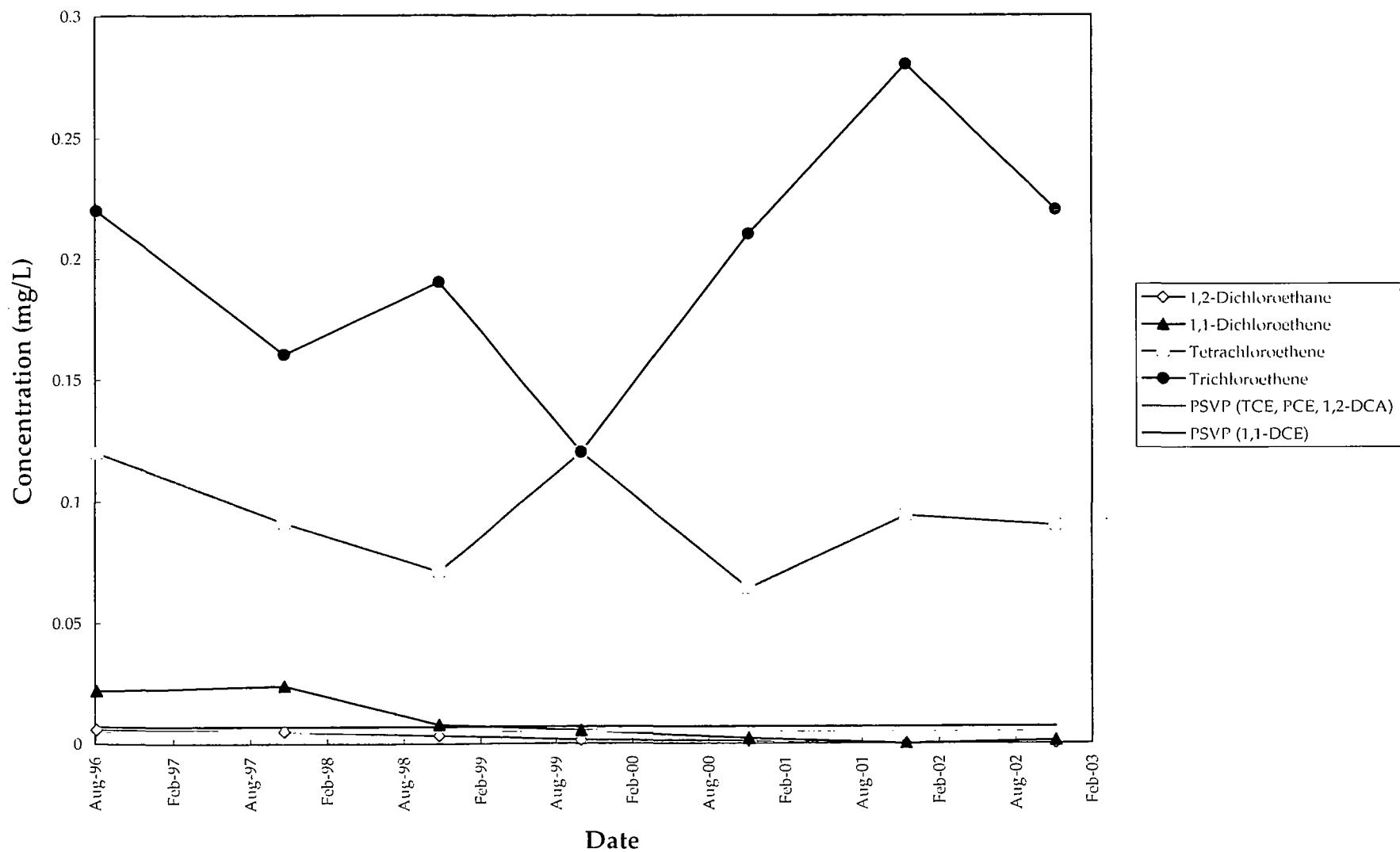
Appendix G

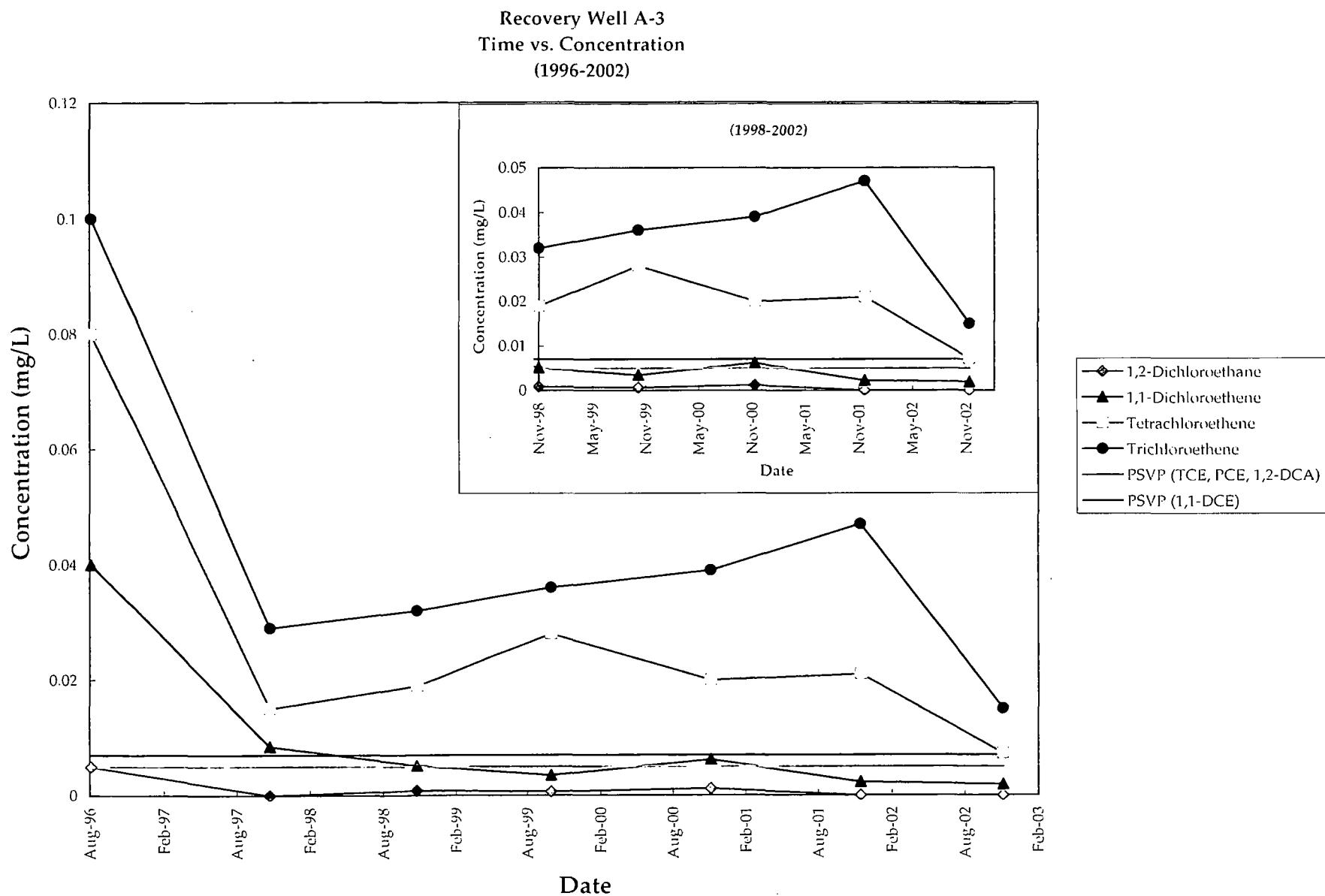
Time vs. Concentration Graphs

Recovery Well A-1
Time vs. Concentration
(1996-2002)

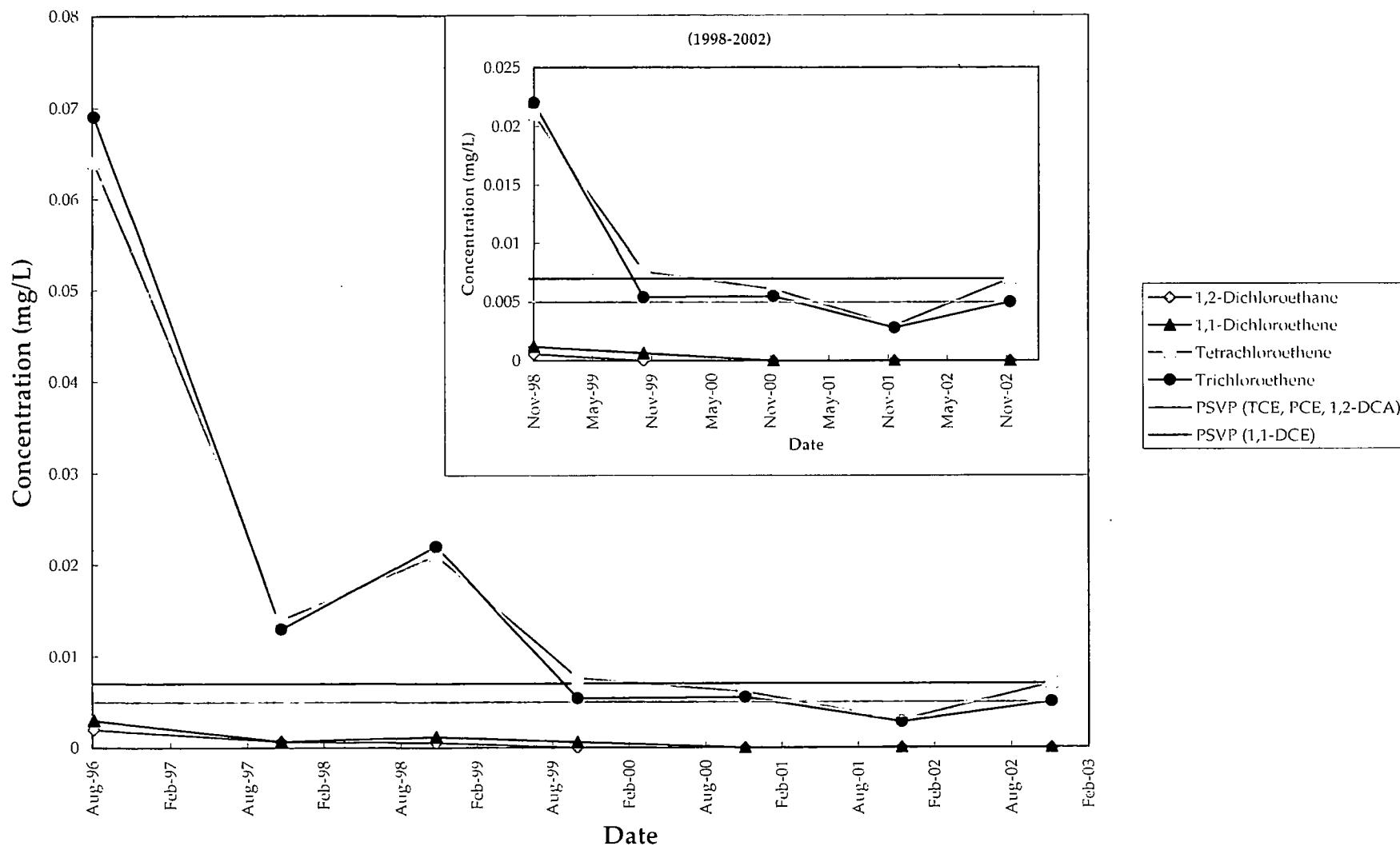


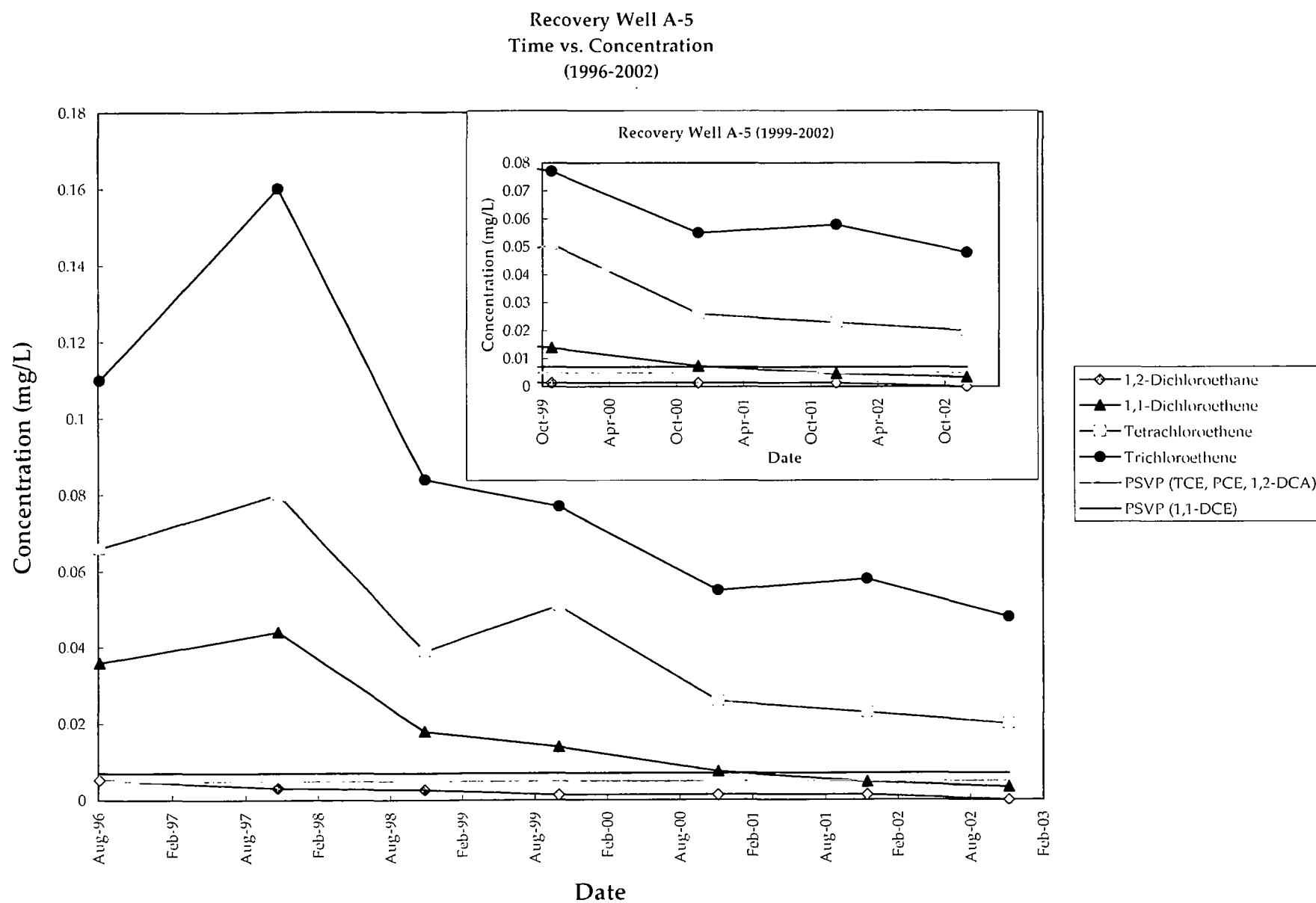
Recovery Well A-2
Time vs. Concentration
(1996-2002)



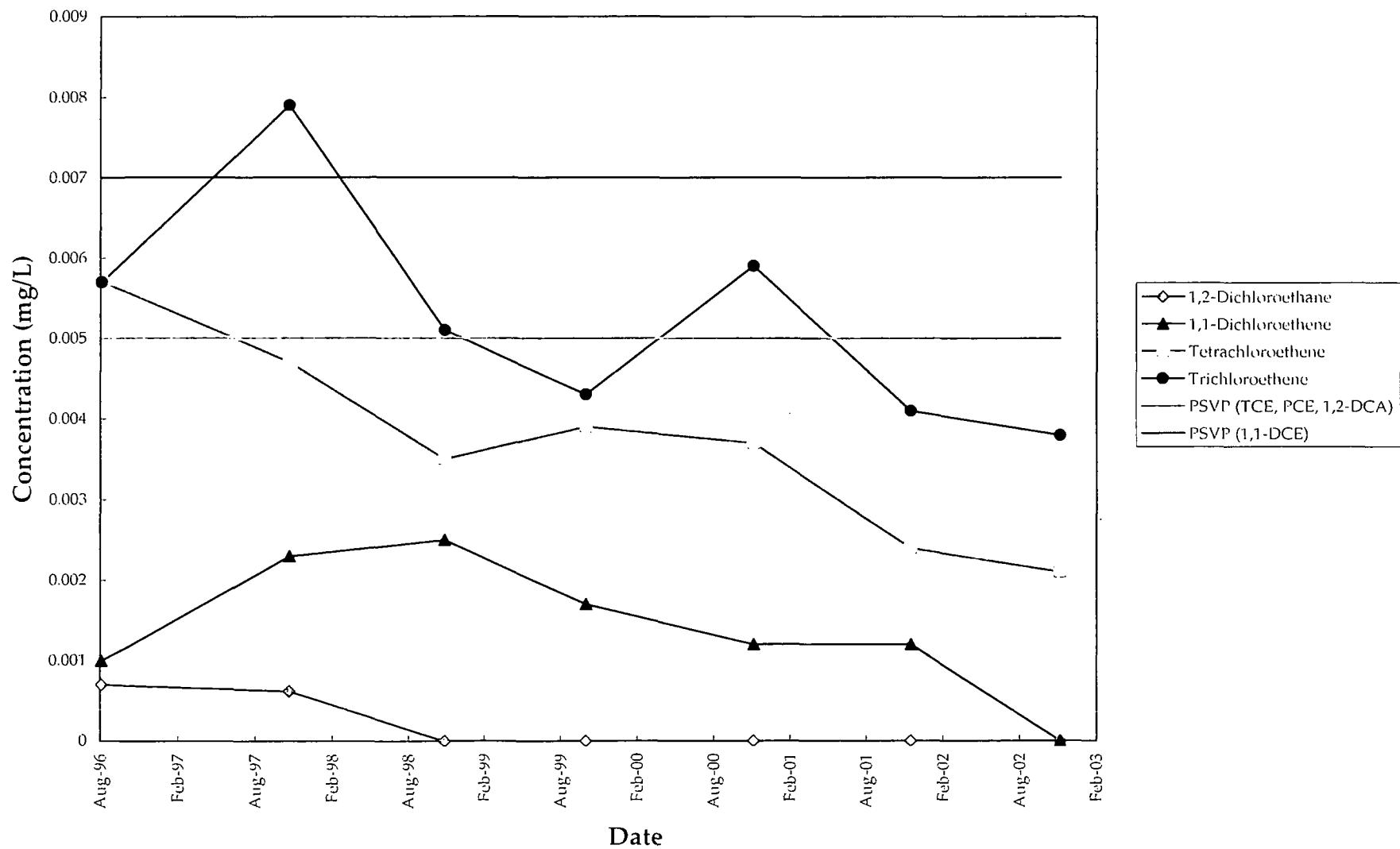


Recovery Well A-4
Time vs. Concentration
(1996-2002)

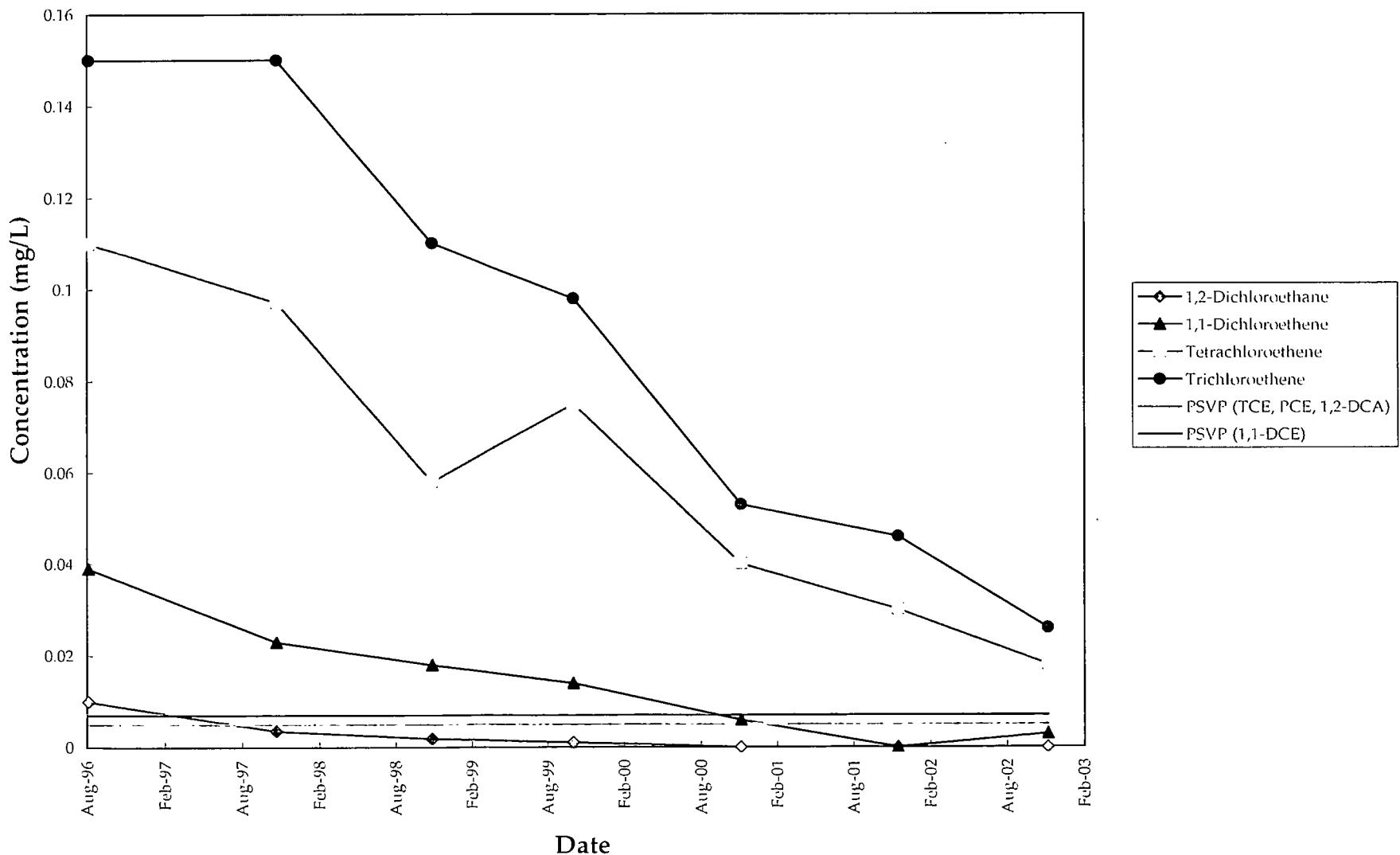




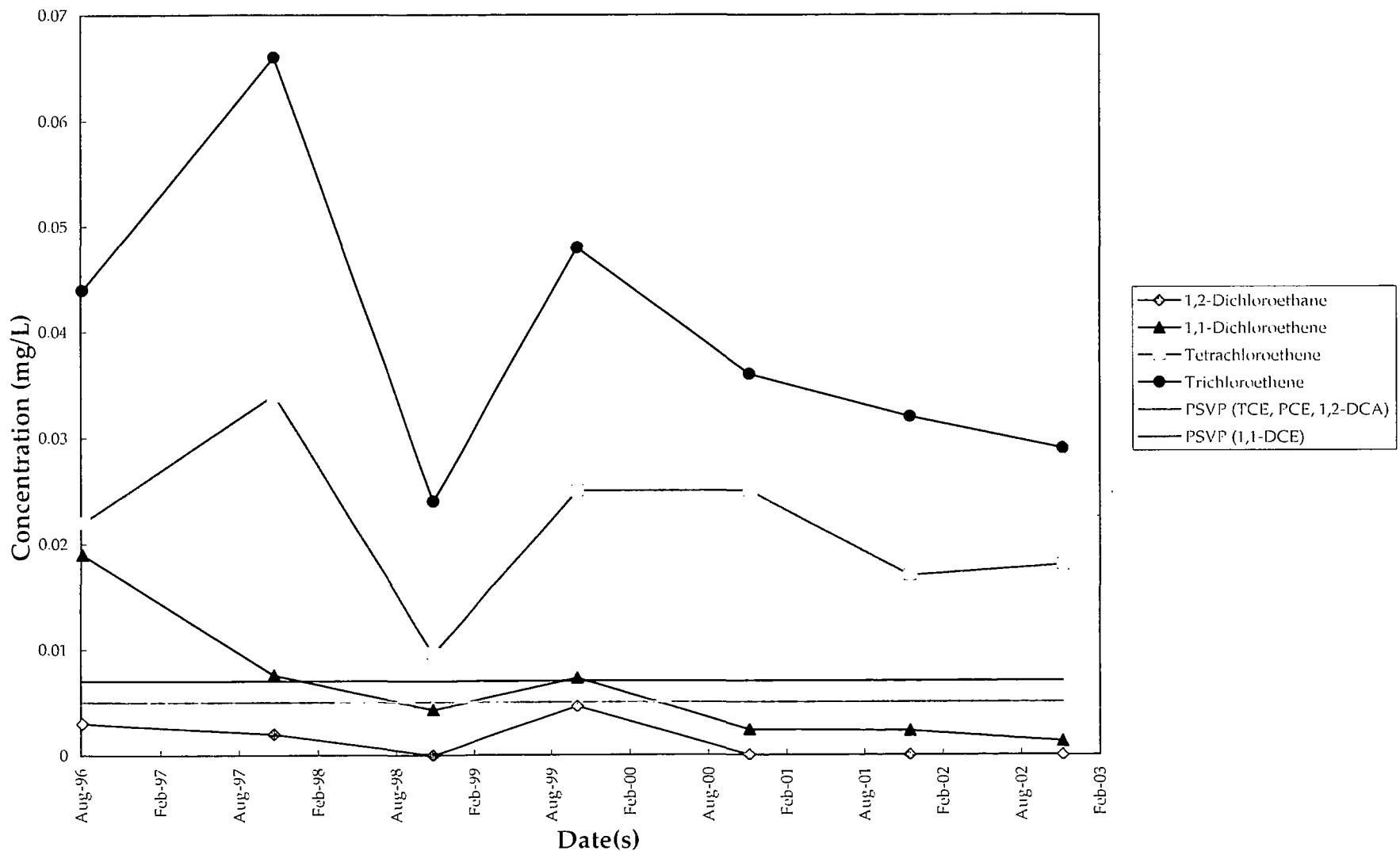
Recovery Well A-6
Time vs. Concentration
(1996-2002)

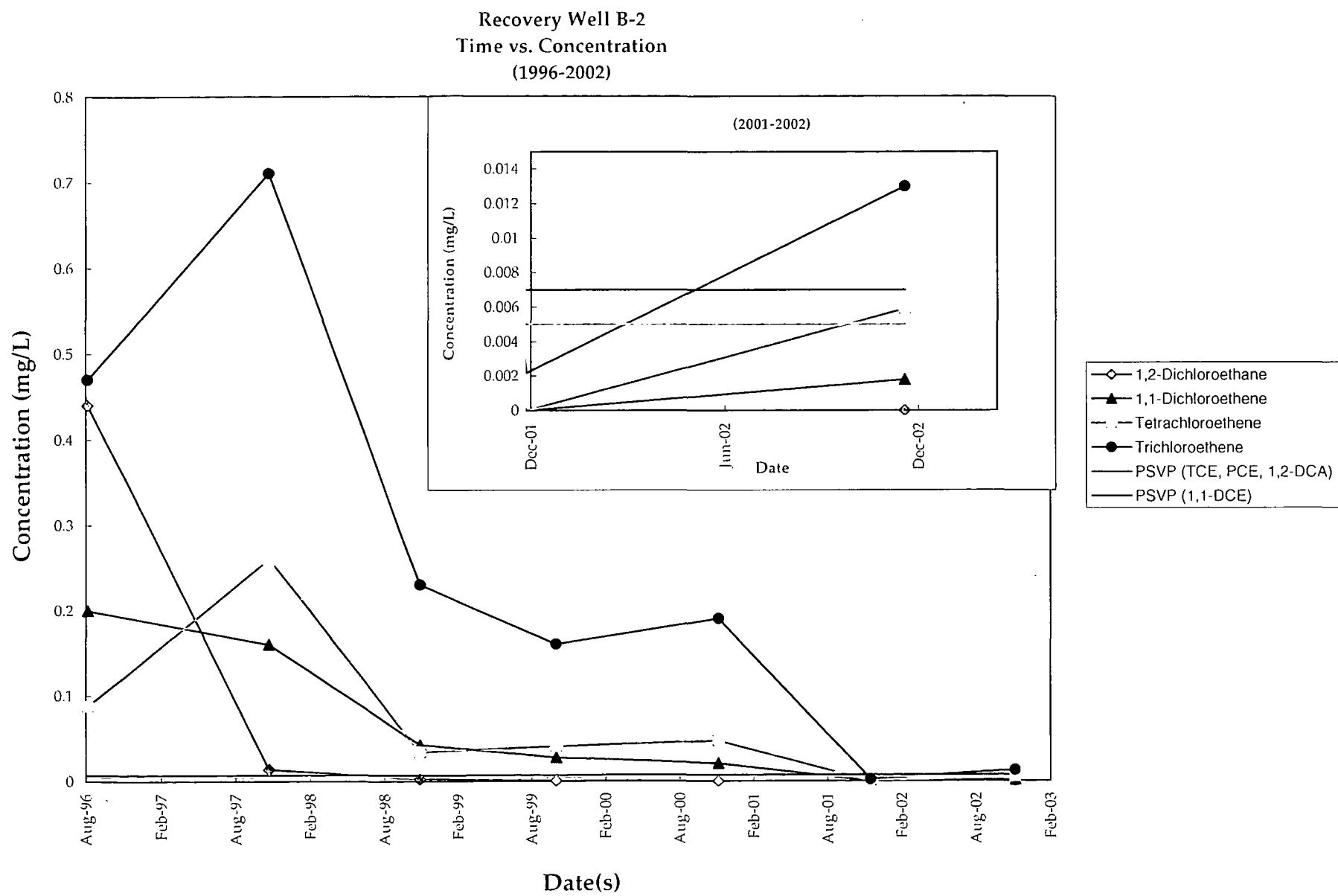


Recovery Well A-7
Time vs. Concentration
(1996-2002)

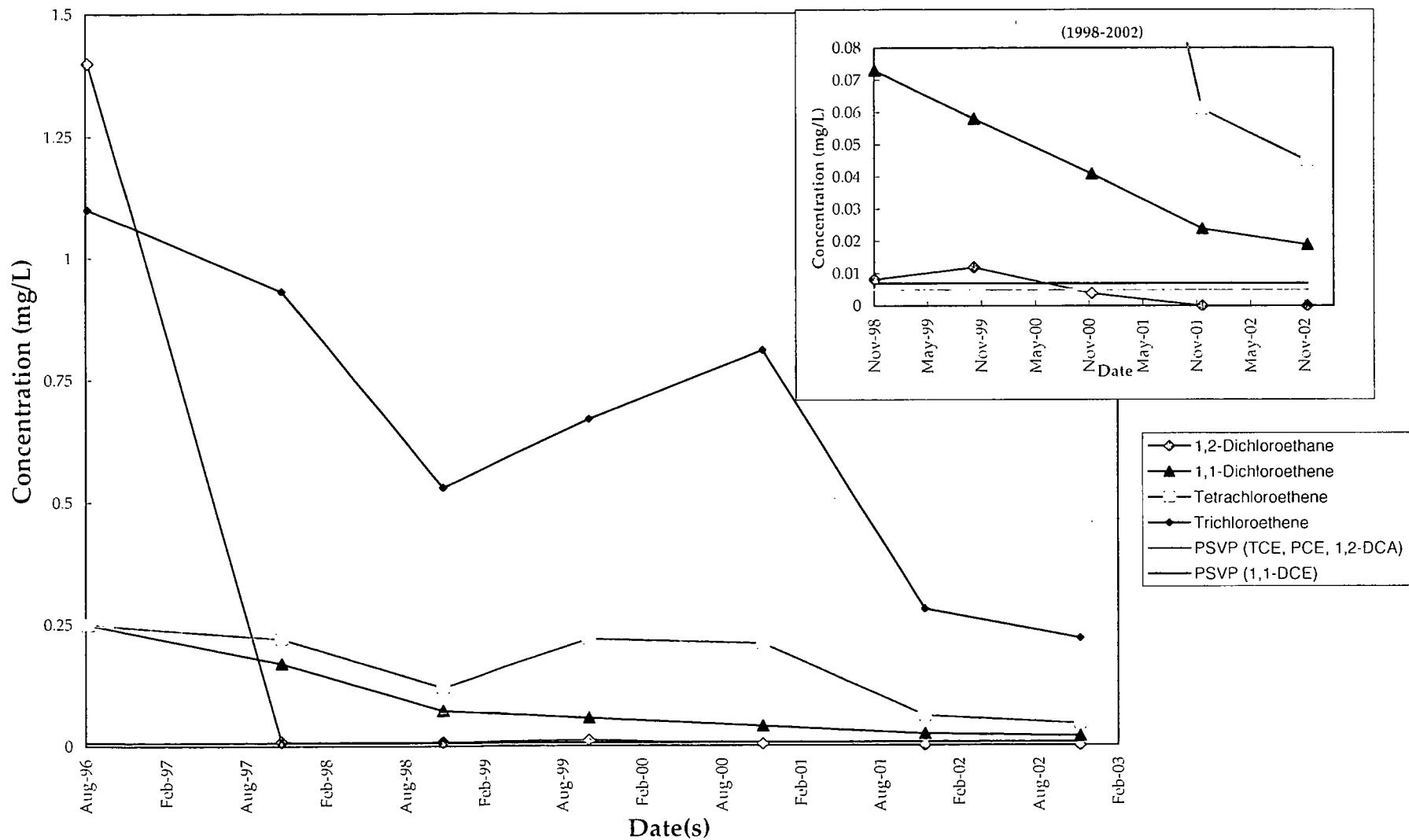


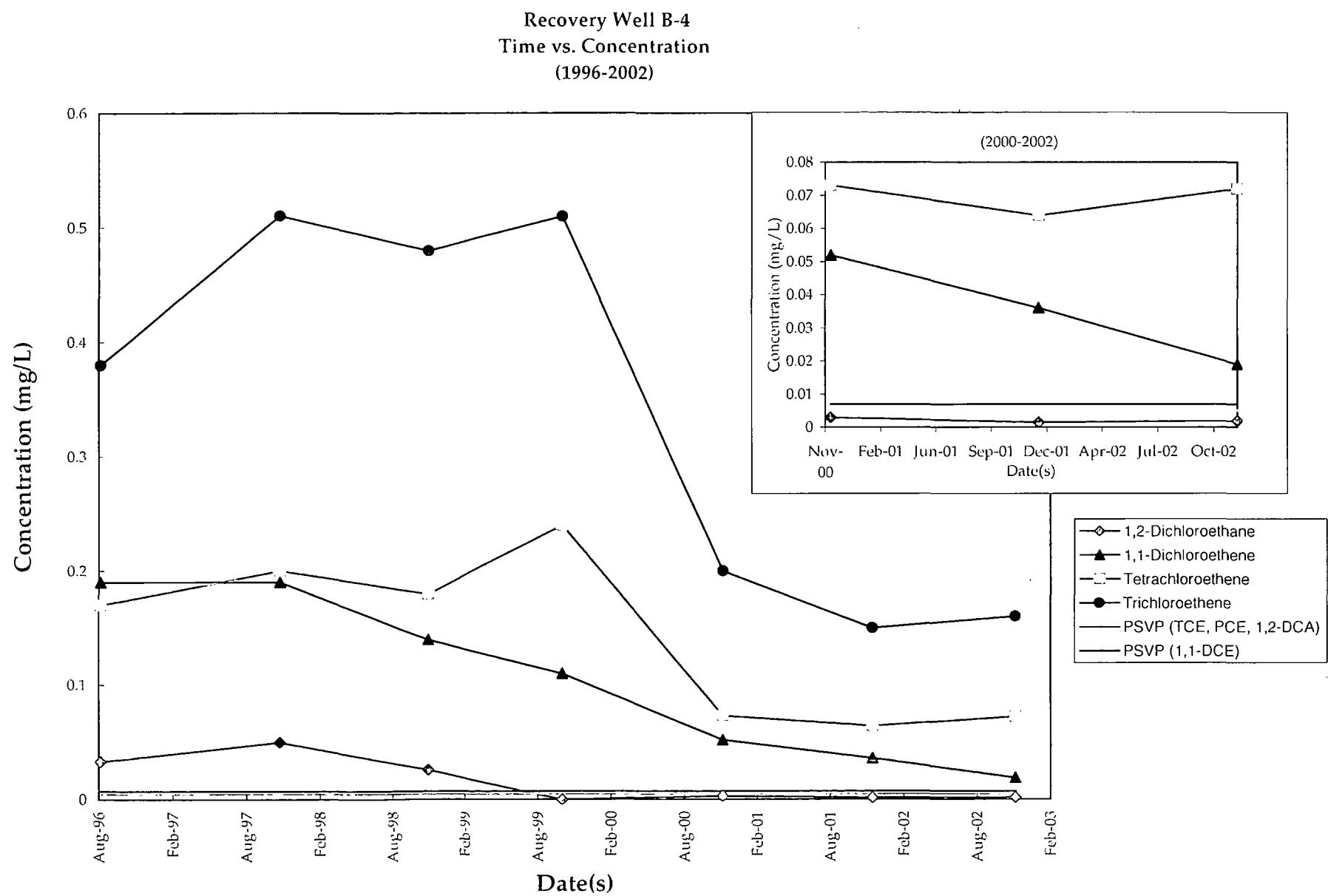
Recovery Well B-1
Time vs. Concentration
(1996-2002)





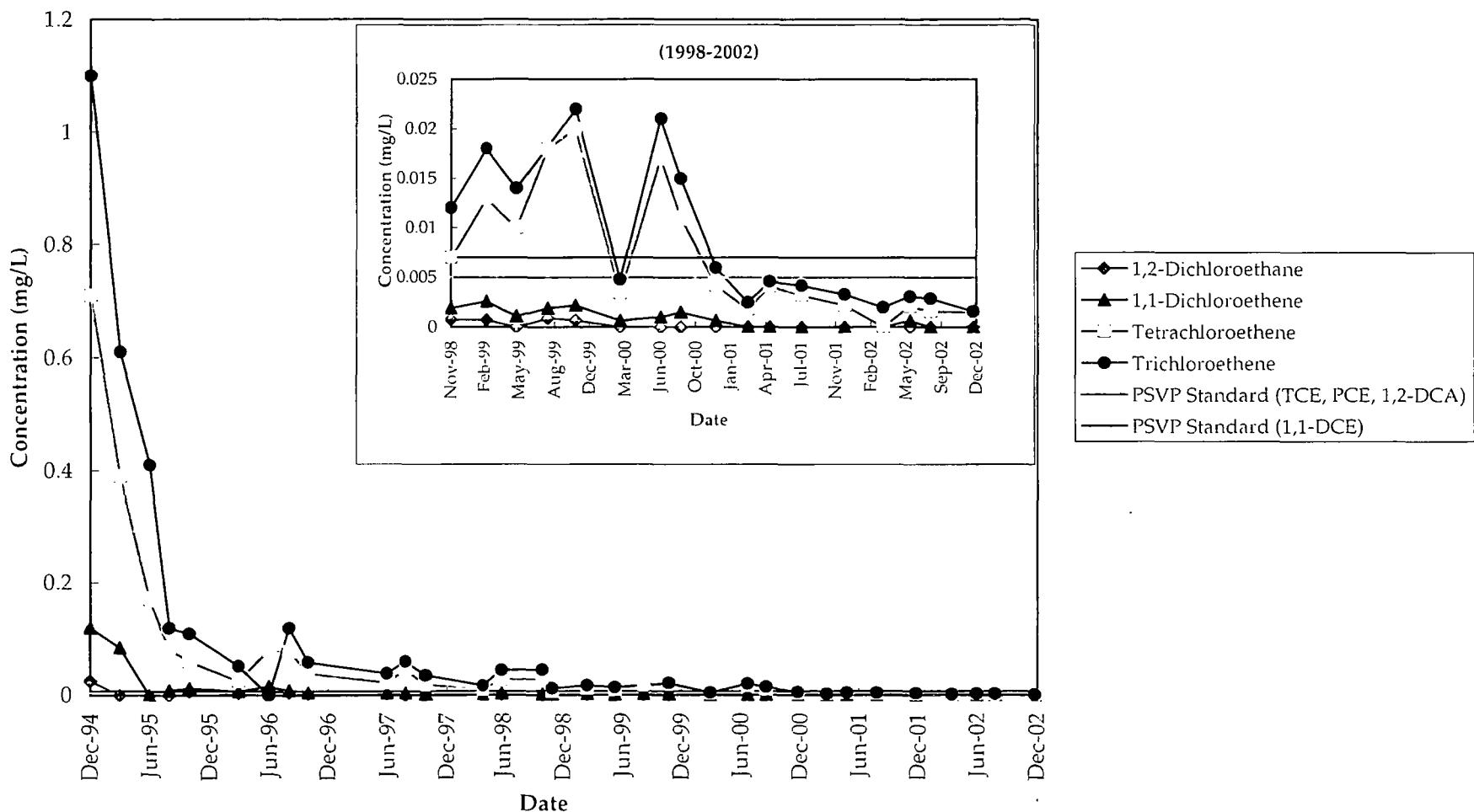
Recovery Well B-3
Time vs. Concentration
(1996-2002)





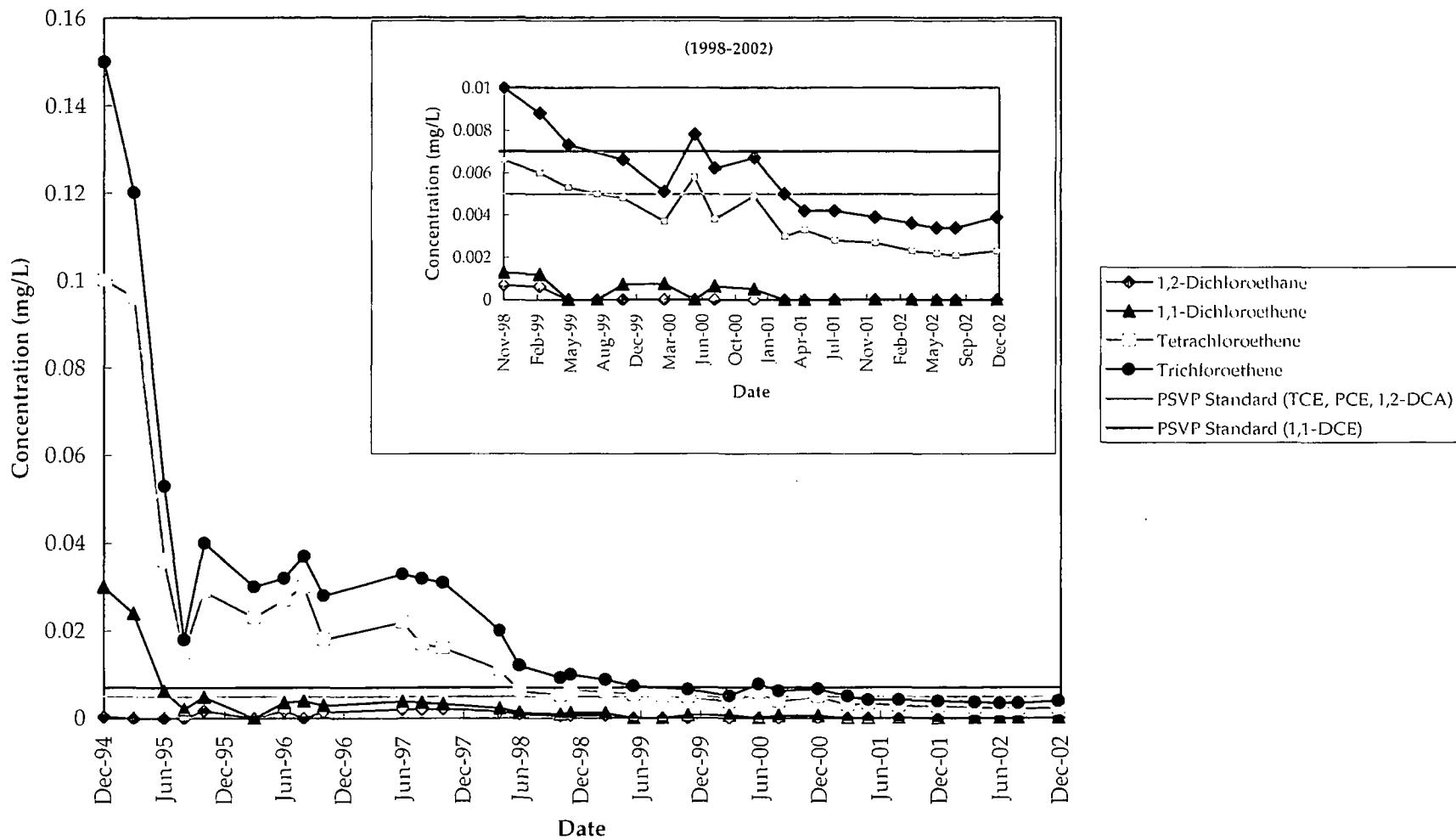
Appendix G
Time vs. Concentration Graphs

BW-108
Time vs. Concentration
(1994-2002)



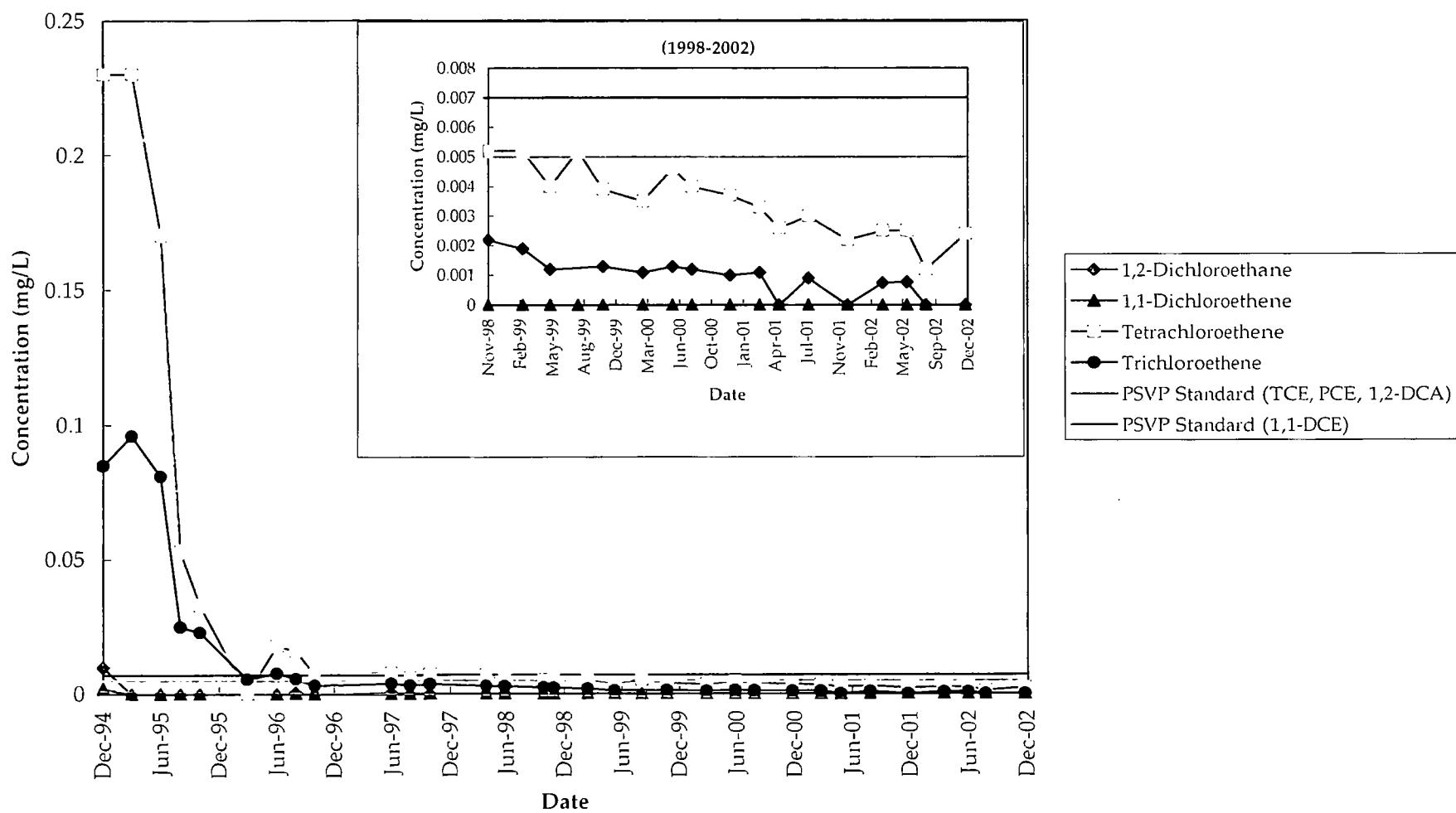
Appendix G
Time vs. Concentration Graphs

BW-201
Time vs. Concentration
(1994-2002)



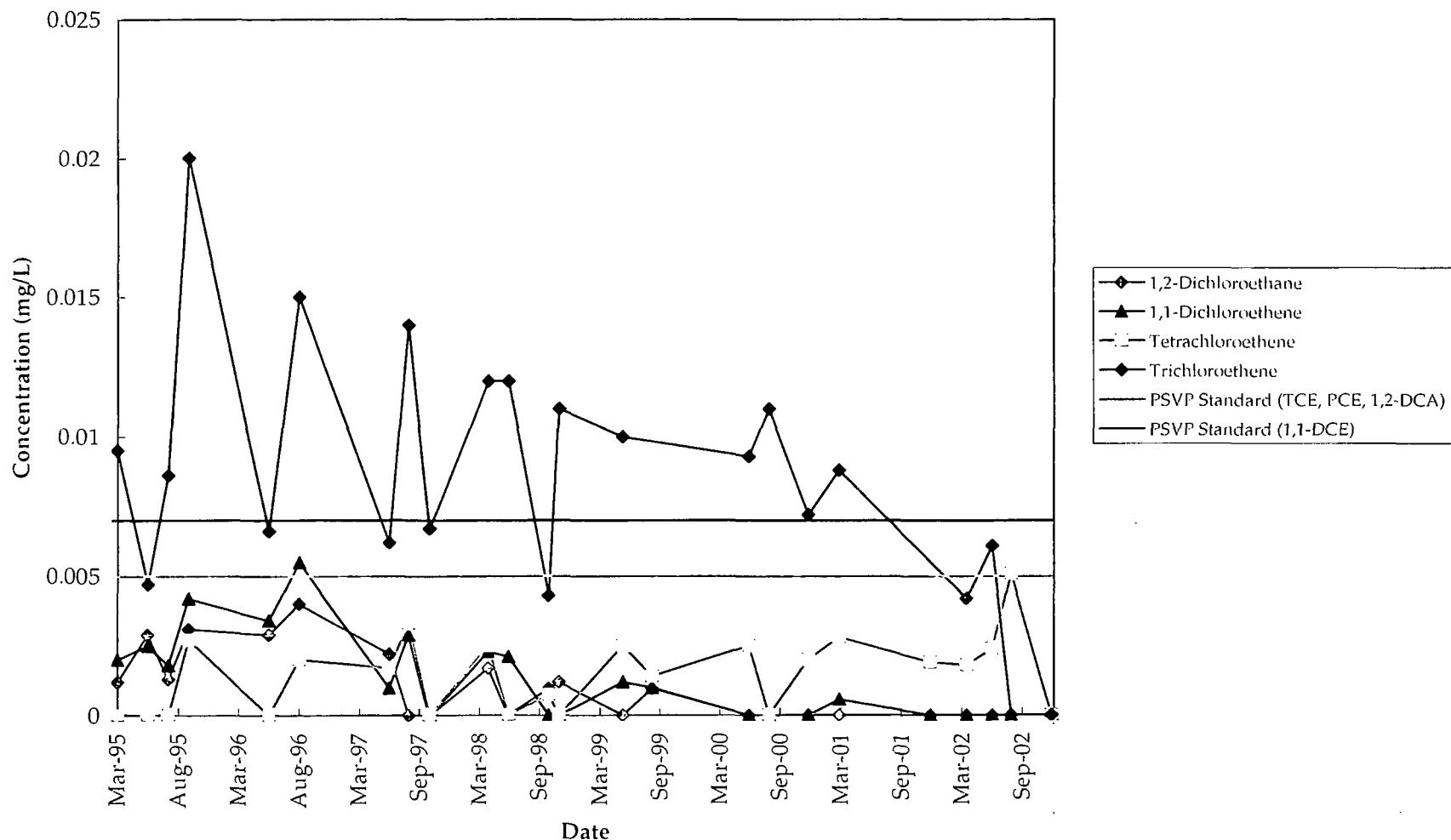
Appendix G
Time vs. Concentration Graphs

BW-202
Time vs. Concentration
(1994-2002)



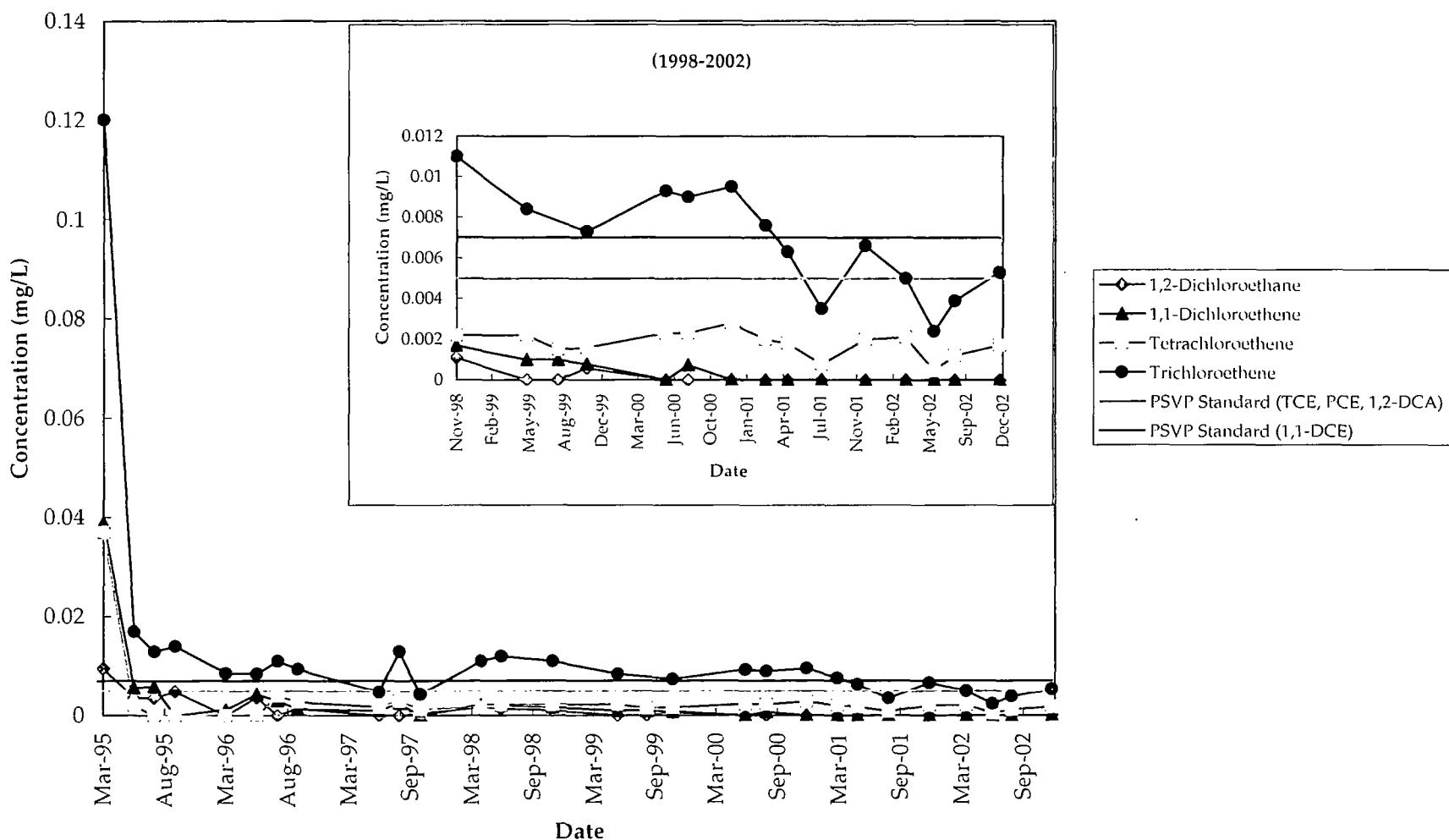
Appendix G
Time vs. Concentration Graphs

MLW-3-1
Time vs. Concentration
(1995-2002)

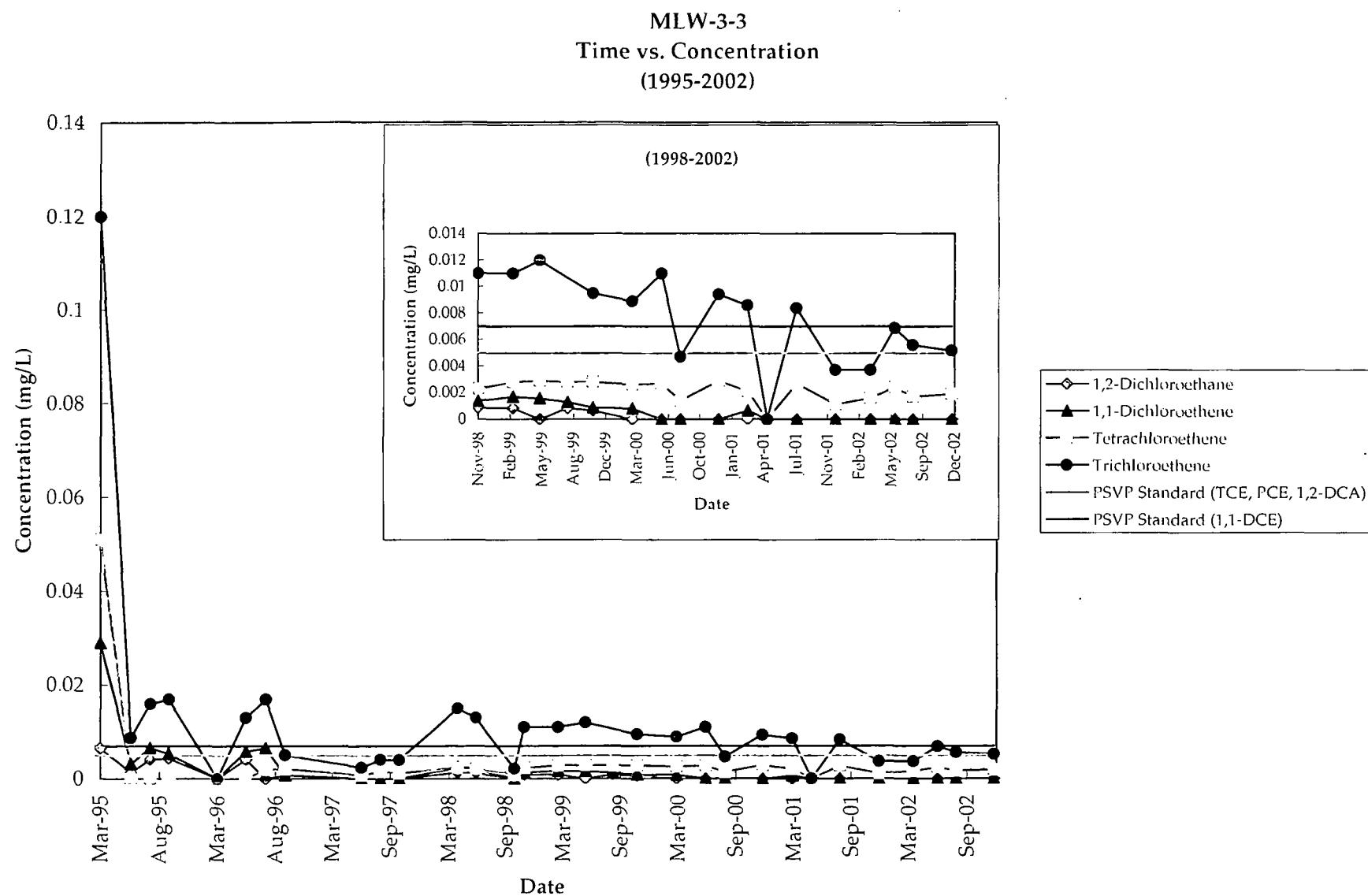


Appendix G
Time vs. Concentration Graphs

MLW-3-2
Time vs. Concentration
(1995-2002)

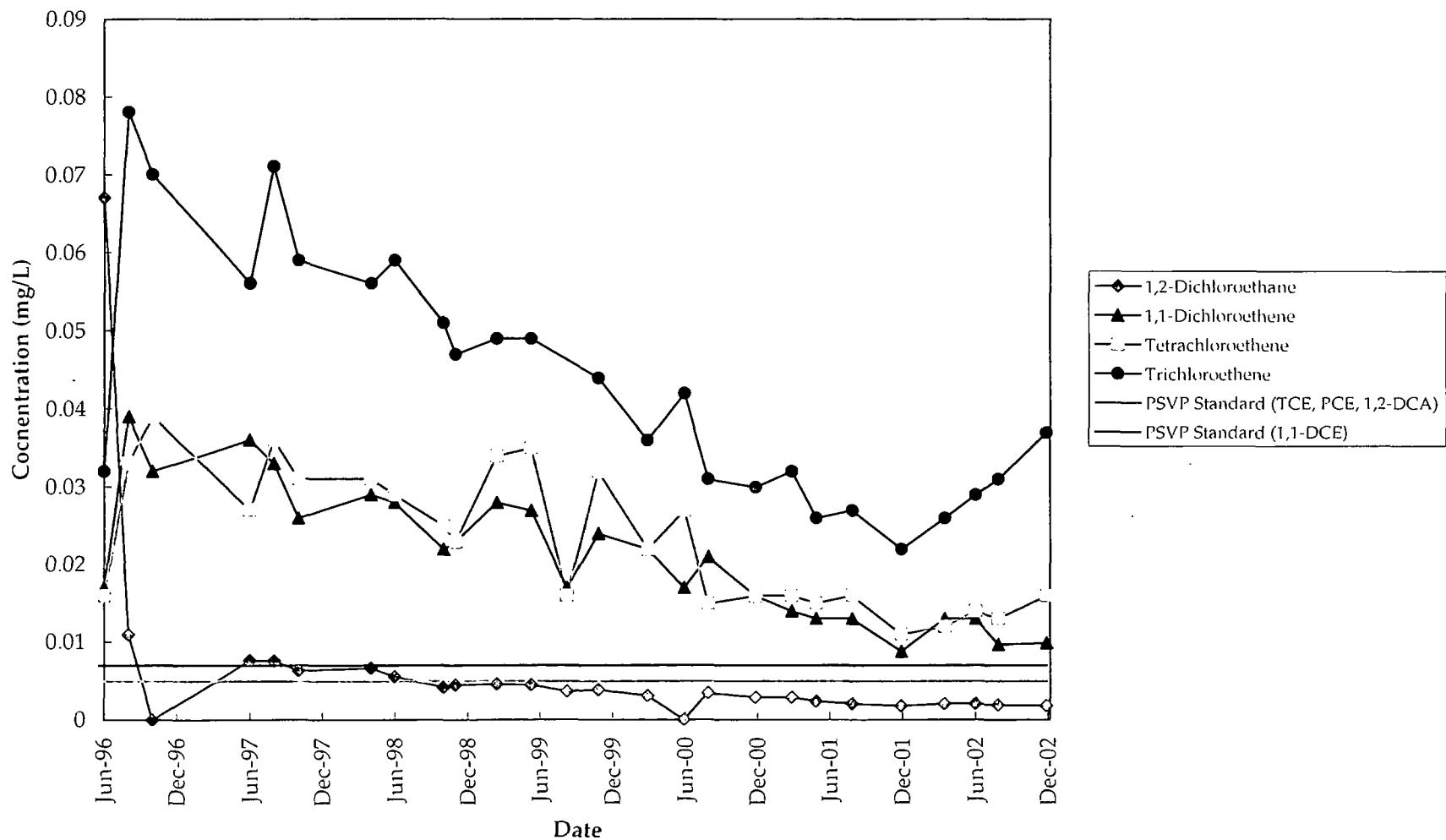


Appendix G
Time vs. Concentration Graphs



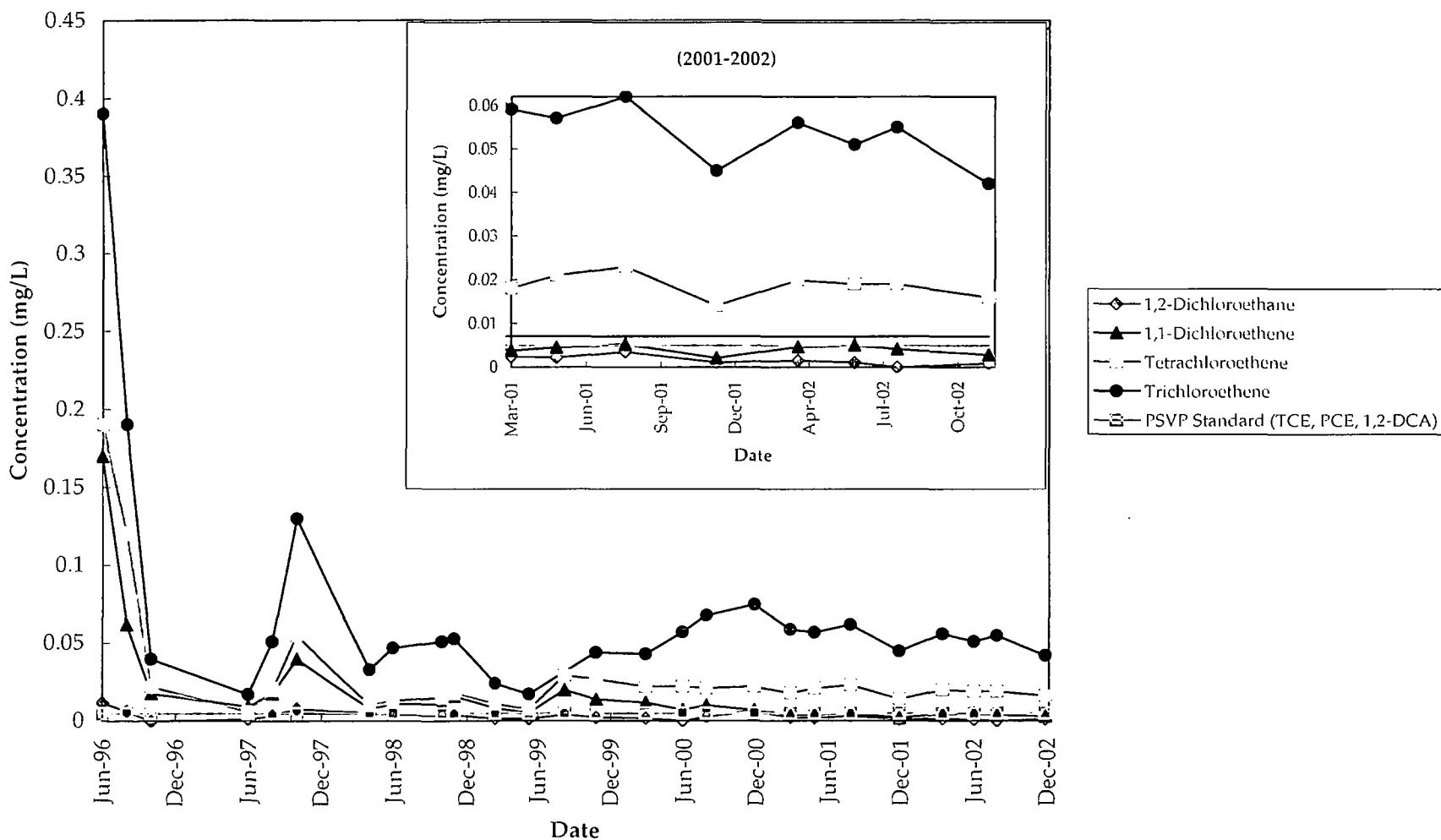
Appendix G
Time vs. Concentration Graphs

MW-2-1
Time vs. Concentration
(1996-2002)



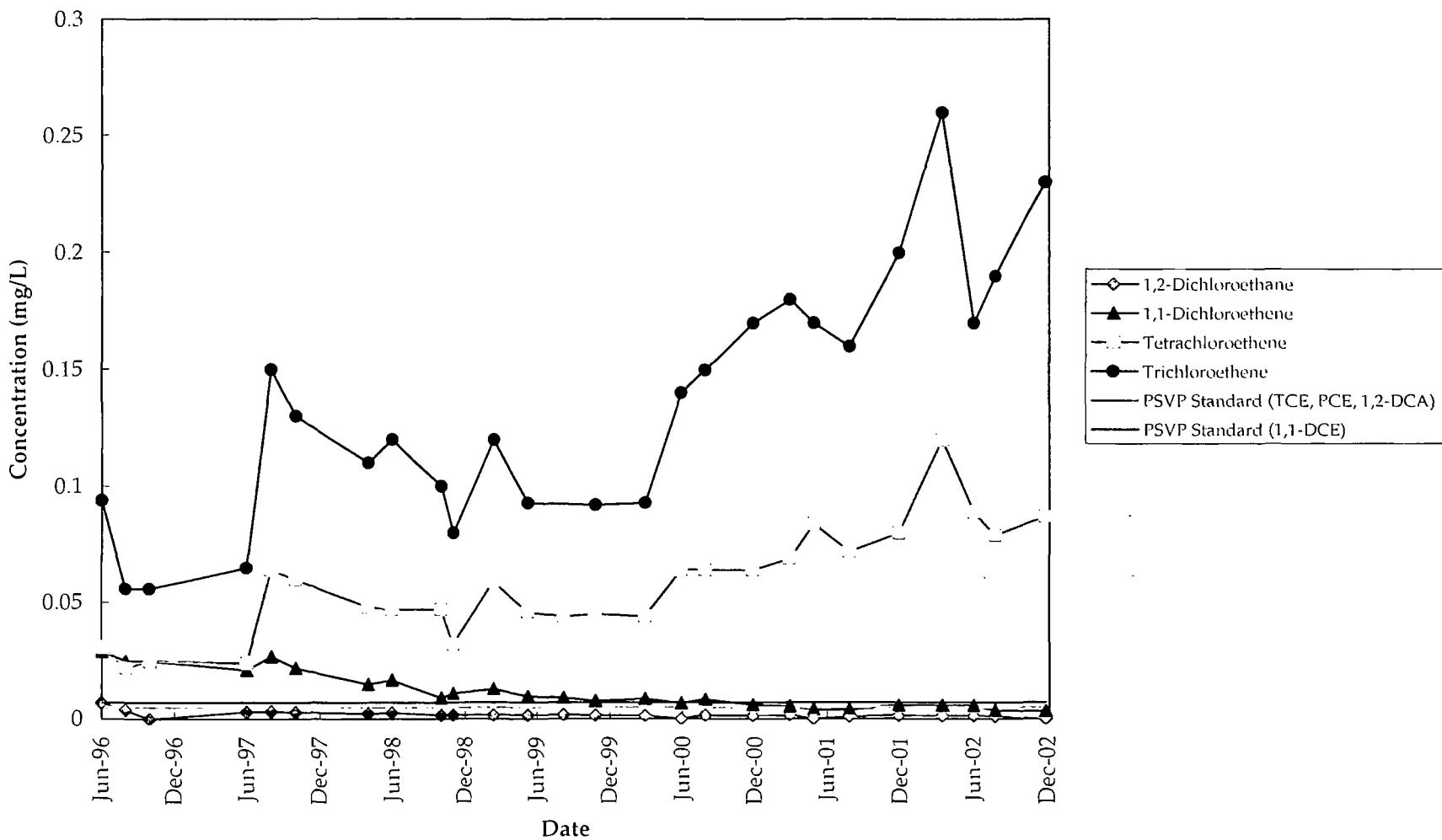
Appendix G
Time vs. Concentration Graphs

MW-2-2
Time vs. Concentration
(1996-2002)



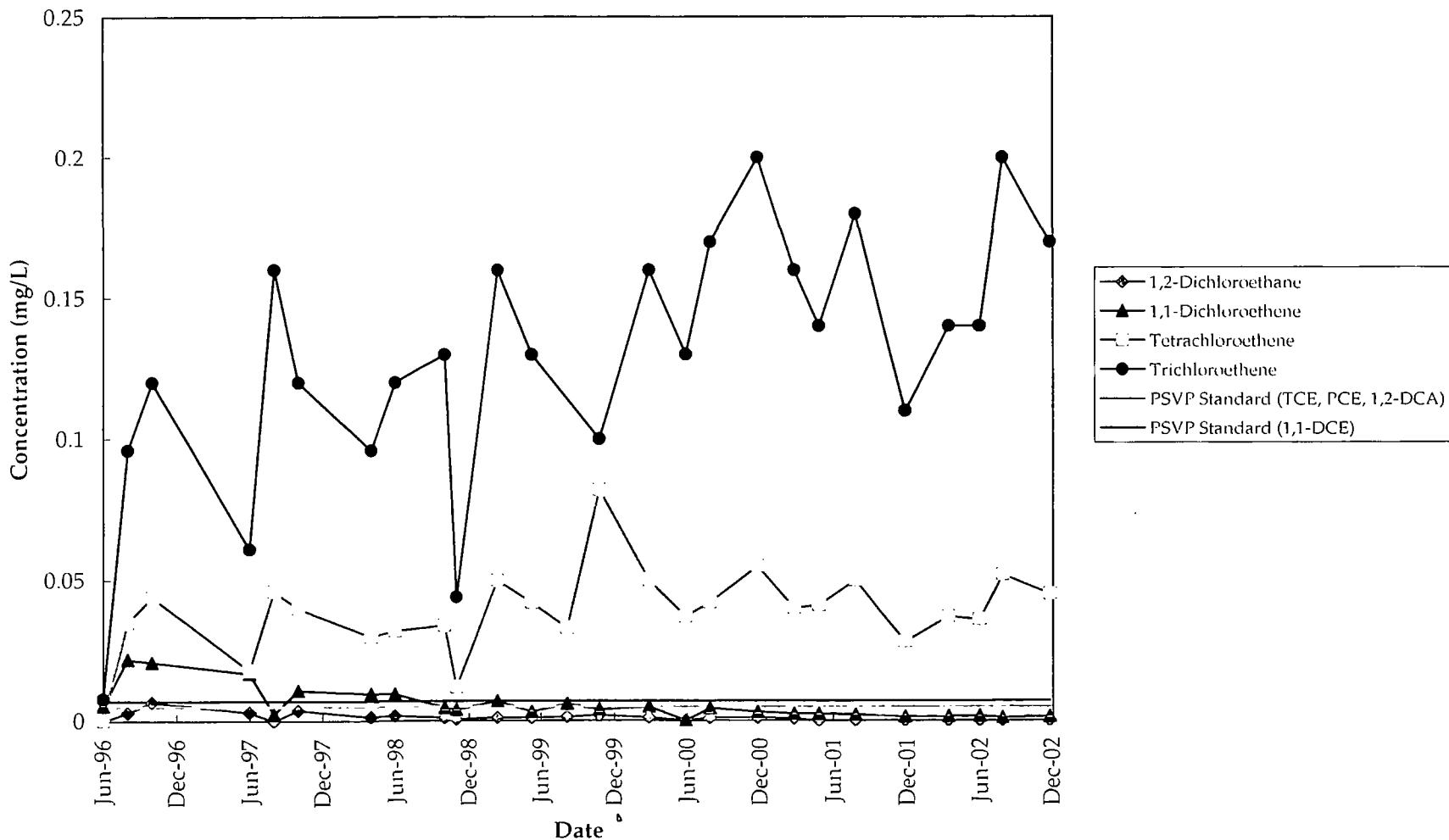
Appendix G
Time vs. Concentration Graphs

MW-4-1
Time vs. Concentration
(1996-2002)



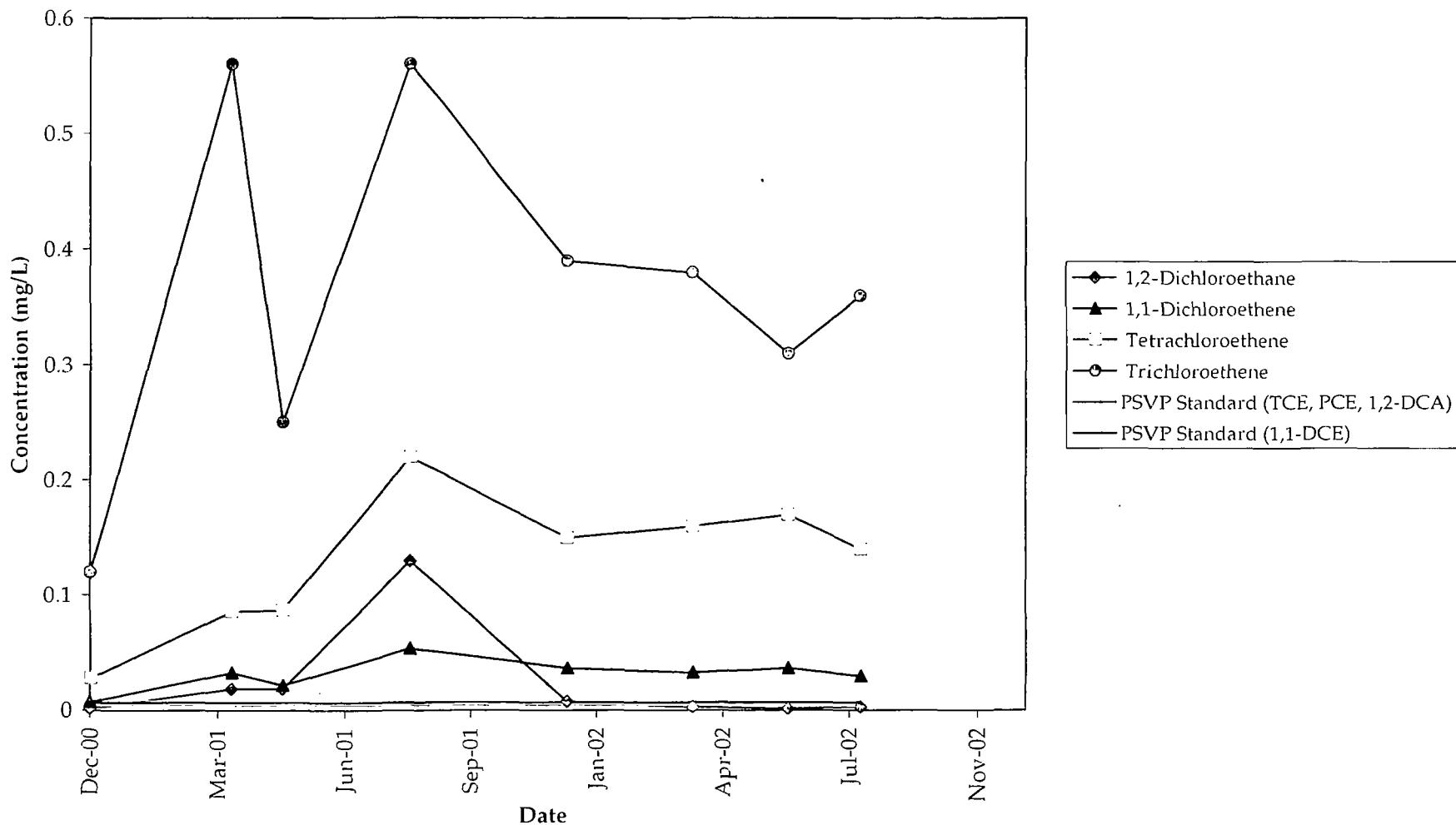
Appendix G
Time vs. Concentration Graphs

MW-4-2
Time vs. Concentration
(1996-2002)



Appendix G
Time vs. Concentration Graphs

DP-3-1
Time vs. Concentration
(2000-2002)



U . S . E P A R E G I O N I V

SDMS

Unscannable Material Target Sheet

DocID: 10292864 Site ID: SCD 980558142

Site Name: Mealey Farms

Nature of Material:

Map: X

Computer Disks: _____

Photos: _____

CD-ROM: _____

Blueprints: _____

Oversized Report: _____

Slides: _____

Log Book: _____

Other (describe): 2002 Remedial Action Annual Report, 2002 Water

Water table configurations, 1st, 2nd, 3rd, 4th

Amount of material: Quarters

(1) (2) (3) (4)

Please contact the appropriate Records Center to view the material.